



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

J.F. KENNEDY FEDERAL BUILDING, BOSTON, MASSACHUSETTS 02203-2211

May 16, 1989

6/13

Site:	New Bedford
Break:	11.13.14
Other:	

Doug Allen  
E.C. Jordan, Inc.  
261 Commercial St.  
P.O. Box 7050  
Portland, Me. 04112

Dear Doug,

Enclosed are copies of the following:

- A sampling log recording the results of PCB sampling by Aerovox from 1979 - 1986. Most of the samples were taken inside the Aerovox plant. Some were taken directly from the their discharge troughs, and four were taken from the mudflats themselves;
- Reports from Lycott Laboratories with the sediment sampling results and some discharge results, along with correspondence concerning the 247,445 ppm result;
- A map showing the locations and results of Aerovox's sediment sampling, along with EPA's November, 1981 results, showing the 190,000 ppm result.

As we discussed, the pre-1979 history includes the 1975 "308" letters, sampling by EPA and various state agencies, and Aerovox's Discharge Monitoring Reports after the 1976 permit modification. All but the DMRs are included in our Administrative Record. EPA's November, 1981, results are also in the administrative record. We also have an analysis of Monsanto's sales records, showing that both the Aerovox and CDE facilities used approximately 18.5 million pounds of PCBs. All of the documents in the Administrative Record are presently being copied at GSA, so we will have to wait until that is done before I can retrieve them for you.

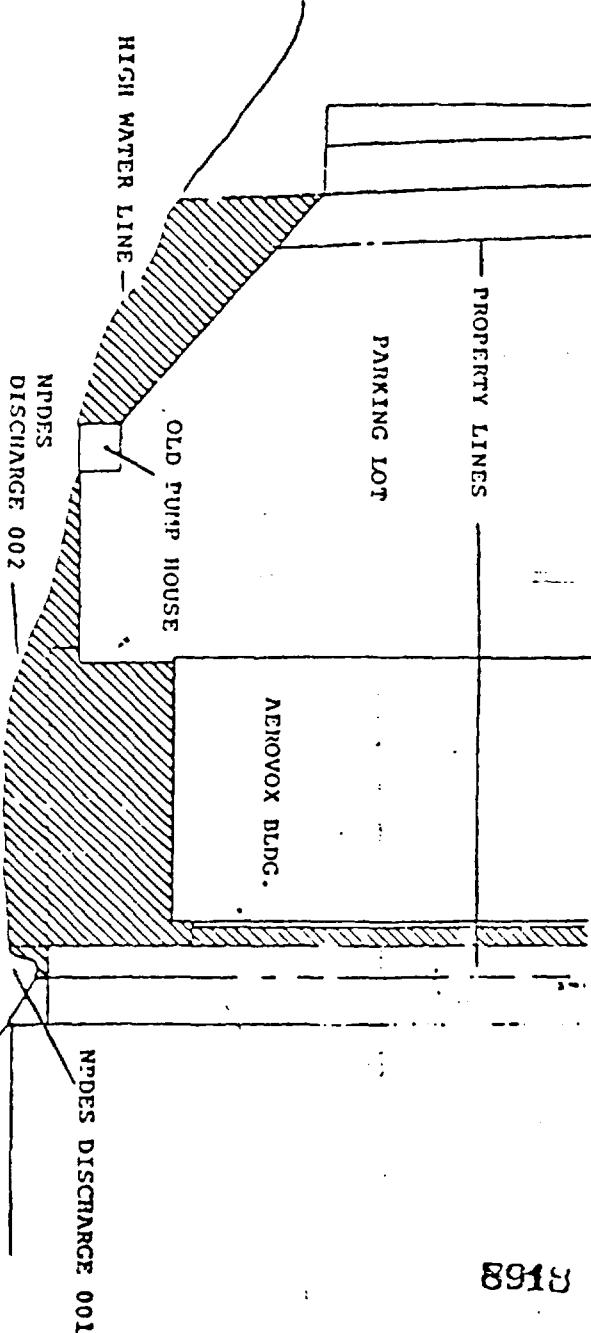
Finally, we have the EPIC study of the Aerovox facility. There should be a copy of that in the site file; if not, I believe there is a copy stored at the USAO. Please let me know if you need me to retrieve that for you.

Yours sincerely,

Charles Bering  
Assistant Regional Counsel

NEARWICK, NEW BEDFORD MASS.  
SAMPLING LOCATIONS FROM NOVEMBER 12, 1971

Map of  
Acrovox's  
sampling results  
by Lycott Labs



Sample #

168 - 1242 - 34.2 } 57.92 ppm

1254 - 23.71 }

169 - 1243 - 27.52 } 44.59

1254 - 17.07 }

170 - 1242 - 14.2, 61.0 } SCALE: 1 in. = 75 ft.

1254 - 10.9, 33.5 }

247, 45.5 }

171 - 1242 - 55.68 } Acrovox - 118.51 (Surface)  
1254 - 62.83 } results - 247.45 (12-in.)

Note: 1254 cannot be  
mistaken. 1014 + 1254 can

57.92 Surface  
44.59 12"

ORG Acrovox 20 DOP 2 16  
Surf. REB Sampling results  
Acrovox - Envirotest 8111 Co., Inc.  
Refacoredi Environmental Marine Lab.  
Various Water Manufacts - SCA Services

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8913

GAS CHROMATOGRAPHIC ANALYSIS

**Mr. Alexander Lippincott** ADDRESS: 740 Lovill Avenue, New Bedford, MA 02745  
**SAMPLE NO. 170** SAMPLE DESCRIPTION: 12<sup>o</sup> Dutch Sample 25 ft. East of South Trough (Aero 11)

COLUMN 1. SEQU-17 1.95 $\mu$ g-1 COL. TEMP. 225°C COL. LENGTH 6 FT. DETECT. TEMP. 350°C INLET TEMP. 225°C CARRIER FLOW 60 ml/min. PURGE FLOW 65 ml/min. CHART SPEED 1 in/min ORIG. SAMPLE SIZE 2.0495

PREVALENT STAND. CURRENT 0.166 s.d. AT ATTENUANT OP 10<sup>2</sup> X 16 ELECTROMETER SS X E2

PESTICIDE COMPOUND	STANDARD INJECTION				SAMPLE INJECT.	
	VOL. OF FINAL EXTR. (ml)	INJECT. VOLUME PICO- LIT. OR GRAMS (ul)	PEAK HT. OR ATTENU- ATION	PEAK HT. OR ATTENU- ATION	RETENTION REL. TO ALDRIN STD.	(PPM) CHROMATOGRAM RESIDUE NUMBERS
PCP (1242)	1,000,000	2	100	14.25 $10^2 \times 16$	8.33 $10^2 \times 16$	142,610 4188
PCP (1254)	1,000,000	2	100	10.37 $10^2 \times 16$	10.61 $10^2 \times 16$	104,835 4188
					TOTAL	247,445

1. Source of method used (Cite journal, volume, page, year or other source) Manual of Analytical Methods for the Analysis of Pesticide Residues in Human and Environmental Samples, Section 10, N, U.S. EPA, 1974, Revised.
  2. Briefly state modifications, if any. Bulk analysis results based on dry weight.

3. Method and temperature of exhaust concentration Nit. Bleedout Nitrogen Blowdown Kuderna-Daniels  
X Simple Boiling Rotor-Vac. Under Temp.

**LYCOTT ENVIRONMENTAL RESEARCH, INC.**

003771



CAS FINGERPRINT ANALYSIS

C.I.C. ACROSS ACROSS  
SAYLZ NO. 168 SAYLZ DISC

**ADDRESS** 740 **Invilla Avenue, New Bedford, MA 02745**  
**Surface Sample** **4 ft. East of North Trough (AER00B)** **3/31/02**

COLUMN 1. SIOV-17 1.95 $\mu$ m I.D. 10 FT. LENGTH 2 FT. DETECT. TEMP. 350°C INLET TEMP. 225°C  
CARRIER FLOW 60 ml/min. PURGE FLOW 63 ml/min. CHART SPEED 12 mm/min. ONCE CHARGE SIZE 1 mg<sup>2</sup>

PREVAILING STAND. CURRENT 0.16 s.d. AT ATTENUAT. 0.10<sup>2</sup> X 16 ELECTROMETER SS X E2

PESTICIDE COMPOUND	STANDARD INJECTION			SAMPLE INJECT.		
	PEAK VOL. PICO-IT. OR ATTENU-	RETENTION REL.	PEAK VOL. PICO-IT. OR ATTENU-	RETENTION REL.	(PPM) CHROMATOGRAM	
	FINAL EXTR. (ml)	ATTEN- GUMS AREA	TO ALDRIN STD. SAMPLE RESIDUE	ATTEN- GUMS AREA	TO ALDRIN STD. SAMPLE RESIDUE	NUMBERS
PCP (1242)	100	2	100	14.71	$10^2 \times 16$	15.08
PCP (1254)	100	2	100	11.90	$10^2 \times 16$	20.14
					$10^2 \times 16$	
			TOTAL	57.91		
						4106
						4186
						21.71

1. Source of method used (cite journal, volume, page, year or other source) Manual of Analytical Methods for The Analysis of Pesticide Residues in Human And Environmental Samples, section 10, A, U.S. EPA, 1974, Revised.
  2. Briefly state modifications, if any. Bulk analysis results based on dry weight.

b). Method and temperature of extract concentration \_\_\_\_\_ Air Blowdown \_\_\_\_\_ Nitrogen Blowdown \_\_\_\_\_ Kuderna-Danish  
X Simple Boiling \_\_\_\_\_ Pneumatic. Other \_\_\_\_\_ Temp. \_\_\_\_\_

LYOOTT ENVIRONMENTAL	
RESEARCH, INCORPORATED	
ECONOMIC TOXICOLOGY	
SOUTHBROOK, MD 20902	
47-188001	
<u>SIGNATURE OF CHEMIST DOING WORK / DATE</u>	
<u>SIGNATURE OF LABORATORY DIRECTOR / DATE</u>	

~~STANLEY BISCHOFF DOING WORK / DATE~~

~~SIGNATURE OF LABORATORY DIRECTOR / DATE~~

Doc. No.: 003241 - 004085

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DRO ORG Aeronavlo Dop 1 Dec 95  
SUBJ Lab Report Originally for Amoco  
1991 - by Leybold Environmental  
Research Inc.

003779

CARTOGRAPHIC ANALYSIS

CLIENT Harron Incorporated ADDRESS 740 Belleville Avenue, New Bedford, MA 02745  
SAMPLE NO. 408 SAMPLE DESCRIPTION North Trough @ East Culvert 12/6/83

אולן עילגין בראון זילמן

COLUMN 1. SNOV-17 1.951OF-1 COL. TEMP. 225°C COL. LENGTH 6 FT. DETECT. TEMP. 150°C INLET TEMP. 225°C CHART SPEED 1 in/min ORIG. SAMPLE SIZE 100 ml

CARRIER FLOW 60 m/min. PULSE FLOW 0.5 ml/min. CHG. 100<sup>2</sup> PREV.  
PREV. STAND. CURRENT 812.8.d. AT ATTENUAT. OPTO<sup>2</sup> X 16. ELECTROMETER 55 X E2

**STANDARD INJECTION**    **SAMPLE INJECTION**

PESTICIDE COMPOUND	VOL. OF FINAL EXTR. (ml)	INJECT. VOLUME (μl)	PICO-MT. OR ATTENUATION	PEAK AREA	ATTENUATION	RETENTION REL.		(ppb) CHROMATOGRAM RESIDUE NUMBERS
						TO ALDRIN STD.	SAMPLE	
PCP	100	2	100	9.51	$10^2 \times 16$	20.19	$10^2 \times 16$	423.7 2910
	100	2	100	5.25	$10^2 \times 16$	14.23	$10^2 \times 16$	542.1 2910
							TOTAL	965.8

1. source of method used (cite journal, volume, page, year or other source) Manual of Analytical Methods For The Analysis of Pesticide Residues in Human And Environmental Samples, Section 10, A, U.S. EPA, 1974, Revised.
  2. briefly state modifications, if any.

3. Method and temperature of extract concentration Air Blowdown Nitrogen Blowdown Kuderna-Danish  
Simple Boiling Rotor-Vac. Other Temp.

X Simple Rolling

- Kotor -

Vac. Other

2

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21

• 54

J. L. Hanes 12/14/53  
SIGNATURE OF CHEMIST & LAB DIRECTOR DATE

LYCOTT ENVIRONMENTAL  
RESEARCH, INCORPORATED

ROCHAMBEAU STREET,  
BOSTON, MASS. 02130

617-524-1010

STATE CERTIFIED LABORATORY

DKO ORG Aeronavco DOP 9 Dec 85  
SUBJ C-16 Report Original & Answer  
1981 - by Lyell Environmental  
Research Inc.  
Doc No: 0033249 - 004085

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GAS CHROMATOGRAFIC ANALYSIS

CLIENT Aerovox Incorporated  
SAMPLE NO. 404

North Trough @ Culvert End @ River 11/29/83

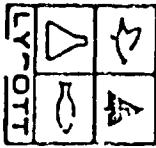
COLUMN 1. 5100-17 1.95 ID x 1 COL. TCDP. 225°C COL. LENGTH 6 FT. DETECT. TEMP. 350°C INLET TEMP. 225°C  
 CARRIER FLOW 60 ml/min. PURGE FLOW 65 ml/min. CHART SPEED 1 in/min ORIG. SAMPLE SIZE 100 µl

PREVAILENT STAND. CURRENT 0.182 s.d. AT ATTENUAT. OF  $10^2 \times 16$  ELECTROMETER 55 x E2

PESTICIDE COMPOUND	VOL. OF INJECT.	FINAL EXTR. (ml)	VOLUME (ul)	PICO- GRAMS	HT. OR ATTENU- ATION	HT. OR ATTENU- ATION	RETENTION REL.		(ppb) RESIDUE	CHROMATOGRAM NUMBERS
							STD.	SAMPLE		
PCB (1242)	8	2	100	9.59	$10^2 \times 16$	31.01	$10^2 \times 16$		51.1	2741
(1254)	8	2	100	4.78	$10^2 \times 16$	6.92	$10^2 \times 16$		21.2	2741
								TOTAL	76.3	

1. source of method used (cite journal, volume, page, year or other source) Manual of Analytical Methods For The Analysis of Pesticide Residues in Human And Environmental Samples, Section 10, A, U.S. EPA, 1974, Revised.
  2. briefly state modifications, if any.

J. Method and temperature of extract concentration    Air Blowdown    Nitrogen Blowdown    Kuderna-Danish  
X Simple Boiling    Rotor-Vac.    Other \_\_\_\_\_ Temp. \_\_\_\_\_



**RESEARCH, INCORPORATED**  
600 CHARLTON STREET,  
SOUTHBEND, MA 01580  
617-788-0101

J. E. J. G. L. G. L. 12/30/87  
SIGNATURE OF CHEMIST & LAB DIRECTOR/DATE

STATE CERTIFIED LABORATORY

DRO ORG Aeronav 20 DOP 9 Dec 85  
SUNNY Cab Regent Originals for Processor  
1991- by Loyalt Environmental  
Research Inc.  
Doc No. 0033249 - 004025

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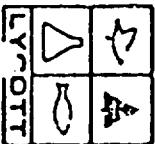
**NOTICE:** If the film image is less clear than this notice, it is due to the quality of the document being filmed.

CLIENT Merck Incorporated ADDRESS 740 B Line Avenue, New Haven, Conn. 06510  
 SAMPLE NO. 401 SAMPLE DESCRIPTION North through a column heat of decom 11/28/81  
 COLUMN 1.510V-17 1.9510P-1 COL. TEMP. 225°C COL. LENGTH 6 FT. DETECT. TEMP. 150°C INLET TEMP. 225°C  
 CARRIER FLOW 60 ml/min. PURGE FLOW 65 ml/min. CHART SPEED 4 in/min ORIG. SAMPLE SIZE 100 ml  
 PREVALENT STAND. CURRENT 818.84 AT ATTENUT. OF  $10^2 \times 16$  ELECTROMETER 55 x E2

1. SOURCE OF METHOD USED (cite journal, volume, page, year or other source) **Manual of Analytical Methods for the**

ANALYSIS OF PESTICIDE RESIDUES IN HUMAN AND ENVIRONMENTAL SAMPLES, SECTION 10, A, U.S. EPA, 1974, REVISED.

- J. Method and temperature of extract concentration    Air Blowdown    Nitrogen Blowdown    Kuderna-Danish  
 simple boiling    Motor-Vac.    Other \_\_\_\_\_ Temp. \_\_\_\_\_



**LYCOTT ENVIRONMENTAL  
RESEARCH, INCORPORATED**

800 CHARLES STREET,  
BOSTON 20, MASS. 02130  
617-733-0101

STATE CERTIFIED LABORATORY

SIGNATURE OF PHARMIST & LAB DIRECTOR/PHAR

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DR# ORG Aeronav 200 DOP 9 Dec 85  
BUNJ CAT Report Original for Review  
1511-1 by Lycott Environmental  
Research Inc.  
Doc No. 003249-004085

XAE002

# ERCO | Energy Resources Co. Inc.

One Almond Place  
Cambridge, Massachusetts 02140  
(617) 861-3111 TELEX 6817264

La Jolla, California  
Denver, Colorado  
Washington, D.C.  
Lafayette, Louisiana  
New Orleans, Louisiana  
Houston, Texas

Oklahoma City, Oklahoma  
Houston, Texas  
Midland, Texas  
Aberdeen, Scotland  
Zurich, Switzerland  
Abu Dhabi, UAE

December 3, 1982

126101982

Lee Lyman  
Lycott Environmental Research  
600 Charlton Street  
Southbridge, MA 01550

Dear Lee:

Enclosed you will find the data for the sample you sent to us for PCB analysis. Because of the high detection limits of GC/MS analysis, I was not able to detect any PCBs in your sample. However, our pesticides laboratory did detect PCB 1016 at a level of approximately 20 ppm. The GC/MS analysis did reveal the presence of two major compounds in the oil sample. Both components are isomers of each other and the closest match we could make was methoxy fluorene. I have included the GC chromatograms of your sample along with chromatograms of PCB 1016 and 1242. I also included the total ion chromatogram and the spectra of the two major compounds from the GC/MS analysis. If you have any questions please feel free to contact me.

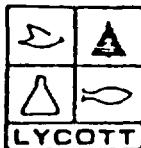
Sincerely,

Neil Mosesman  
GC/MS Supervisor

NM/abs  
Enclosures

003658

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LYCOTT ENVIRONMENTAL  
RESEARCH, INCORPORATED  
SOUTHBRIDGE, MA. 01550  
617.765.0101

April 8, 1982

Mr. Norman Butterworth  
Aerovox Incorporated  
740 Belleville Avenue  
New Bedford, MA 02745

Dear Norm:

Enclosed please find four Xerox copies of chromatograms, which represent the following: the first number, 4188, is our laboratory number; the second number in most cases indicates your identification number; the third number represents the weight of the sample; and the last numbers indicate the dilution.

The first chromatogram is your sample #170 after we had extracted 2.0495 grams and diluted the extract to 100 ml. You can clearly see that the peaks of the chromatogram were saturating the detector, and therefore the results that could be obtained from this run would be inaccurate. The retention times that are printed at the zenith of each peak are accurate, however, and can be used to identify the compound or compounds present.

The second sheet or chromatogram that is enclosed is again your sample #170 diluted in the following manner: 100 ml original size; 2/10ths of that solution was taken and diluted to 20; again 2/10ths of a ml of the second solution was diluted to 20. This would be the same as if we had used 1,000,000 ml in the original solution, rather than 100. Obviously you can see that a considerable amount of dilution was necessary to keep the peaks linear with the detector. When I rechecked the analysis of this sample, I went back to the original 100 ml and did the dilutions again and found that the results are less than a 3% error. With this type of dilution factor involved, that is certainly fairly accurate reproducibility.

You will also notice on the second sheet that peaks 1.34, 1.78, 2.28 and 2.74 represent Aroclor 1242 or possibly 1016. The remaining peaks, beginning with 3.55 and ending with 9.49, represent Aroclor 1254. You can match

DRC ORC Aerovox DDP 9 Dec 85  
SUB CAT Report Original to Aerovox  
1311 - by Lycott Environmental  
Research, Inc.  
Doc. No. 003249 - 004085

XAE002

1254

ENVIRONMENTAL CHEMIST - WATER ANALYSIS - 1 AND 2 PARTS PER MILLION

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Mr. Norman Butterworth  
Aerovox Incorporated

April 8, 1982  
Page, 2

these retention times and peaks with the PCB standards of Aroclor 1242 and 1254, which are shown on pages 3 and 4. You also will see that in the standard for 1242 there are two peaks, 3.49 and 4.15, that were superimposed on the first two peaks of Aroclor 1254. For this reason, when you have 1242 and 1254 mixed in a sample, it is almost impossible to tell whether it is 1242 or 1016. 1016 looks exactly like 1242, except that the peaks numbered 3.49 and 4.15 are almost non-existent. For these reasons, when I calculate PCB concentrations of mixtures of compounds, I use "key peaks" to calculate. In your sample #170 I used 2.74 to calculate the Aroclor 1242, and 6.47 to calculate 1254.

I hope that all of this does not thoroughly confuse you and that you can follow the rationale. If not, give me a call and I will be happy to explain it to you over the phone.

Sincerely,

*Lee Lyman*  
Lee Lyman  
President

LL:en  
Encls.

DATE ORG AEROVOC INCORP'D PEGS  
SUBJ Lab Report Originals to Aerovox  
1981 - by Lyman Environmental  
Research Inc.  
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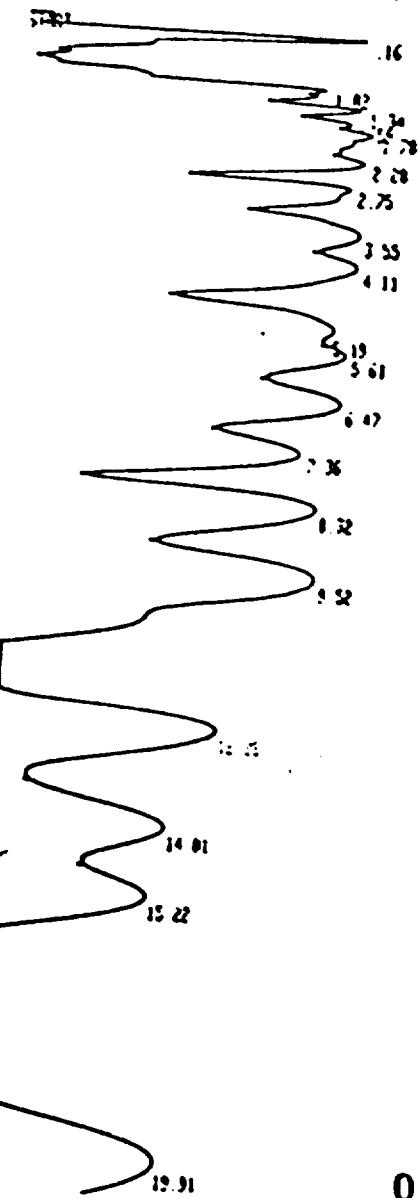
REASON: P1  
0.16 WEIGHT TIME 3132 SEC COUNT 0 189 REASON:  
0.16

TOTAL HEIGHT = 3132  
MUL FACTOR = 1.000E+00

Angie  
reduced  
4/3/82

DELETE ID

ID 4186-2.0495-? ? ?



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Research Inc.

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SINR Last Report Originals See Answer  
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Research Inc.

Doc No. 003249-004085

XAE002

12/6

RUN # 1824  
ID 4188-2.2455- APP/82-82 16:42:16

HEIGHT%	WT	HEIGHT	TYPE	AR/HT	HEIGHT%
0.16	3435	BB	0.171	29.923	
1.02	282	BY	0.227	1.693	
1.34	864	W	0.144	5.182	
1.59	262	W	0.151	4.213	
1.78	1457	W	0.262	8.748	
2.28	1129	W	0.240	7.074	
2.74	833	PV	0.322	5.641	
3.55	1332	W	0.410	7.997	
4.10	1308	W	0.438	7.653	
5.16	811	W	0.462	4.869	
5.61	1061	W	0.394	6.370	
6.47	1061	W	0.467	6.376	
7.32	514	W	0.497	3.636	
8.33	915	W	0.723	5.494	
9.49	842	VB	0.773	5.055	

TOTAL HEIGHT = 16656  
HUL FACTOR = 1.0000E+00

STOP

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DR# ORG Acqno/Label# Date 85  
SUBJ Lab Report Originally for Acqno  
1311-Lyott Environmental  
Research Inc.  
Doc No. 003249-004085

XAE002

03/02

RUN # 1A32  
ID 1242

APR/13/82 16 36.29

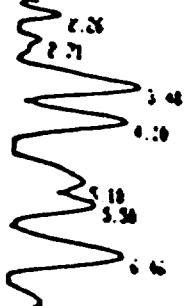
HEIGHTS

RT	HEIGHT	TYPE	AR HT	HEIGHT%
0.16	2966	BV	0.289	17.626
1.08	1557	W	0.199	9.657
1.33	2836	W	0.177	12.166
1.56	1458	W	0.153	8.665
1.77	2462	W	0.357	14.275
2.28	1631	VP	0.234	9.693
2.74	1421	PV	0.356	8.742
3.49	1527	W	0.400	9.075
4.15	1629	VP	0.316	6.115
5.23	453	PV	0.481	2.692
6.46	297	VB	0.505	1.765

TOTAL HEIGHT= 16827  
REL FACTOR= 1.002E+00

RT# 1257

15



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DAT ORG APPROVAL DOP DRINK  
SUB PCB Sampling Results  
RECORDED: Fairhaven Marine, Inc.  
Various waste Manifest-Samples

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
15-8	5-7-79	DOP - COMPOSITE, 55 G. DRUM AND 275 G. TANK UNDER HOT ROOM	1,413
15-H8	5-7-79	DOP/SLUDGE-FROM NORTH 275 G TANK UNDER HOT ROOM	3,275
15-8 1	6.27.79	DOP - SOUTH 275 G. TANK UNDER HOT ROOM	20.967
15-8 2	6.27.79	DOP - NORTH 275 G. TANK UNDER HOT ROOM	4,677
161 3	6.27.79	DOP-55G. DRUM EAST OF 275 G. TANKS UNDER HOT ROOM	5,870
165 1	8-19-80	TRICO - STILL BOTTOMS, COMPOSITE OF 20-55G. TANKS	1,049.2
165 2	8-19-80	TRICO - STILL BOTTOMS COMPOSITE OF 22-55G. TANKS ADJ. TO MATCH. SHD.	666.66
#2037 1	9-2-80	TRICO/SLUDGE - 'STILL ROOM, SOUTH 275G TANK	1,661.764
#2037 2	9-2-80	TRICO/SLUDGE - 'STILL ROOM, NORTH 275G TANK	90.497
#2036 3	9-2-80	TRICO/SLUDGE - 'STILL ROOM, "FILTER" TANK EAST OF SAMPLE #2	515.880
#2035 4	9-2-80	TRICO/SLUDGE - 275G TANK UNDER HOT ROOM	463.23
#2034 5	9-2-80	TRICO/SLUDGE - HOLDING TANK FOR AUTO. FINAL TEST DSRSE	410
#2033 6	9-2-80	DOP - ORANGE UPGRADING TANK UNDER TANK ROOM	4,349.826
#2212 1	9-4-80	DOP - 275G NORTH COLLECTION TANK, UNDER HOT ROOM	935
#2213 2	9-9-80	DOP - 275G SOUTH " " " "	1020
- 3	9-10-80	TRICO - NEW 275G TANK UNDER HOT ROOM	NOT ANALYZED
- 4	9-11-80	TRICO - 'STILL ROOM, FROM 2 NEW 275G TANKS	NOT ANALYZED
#2215 5	9-12-80	TRICO - STILL BOTTOMS, EAST STILL	870
#2214 6	9-11-80	TRICO - DISTILLED FROM EAST STILL	42
#2225 7	9-14-80	DOP - CYCLE 8-284 (CLEAN OIL TANK #4, 513 #2)	42
- 8	9-17-80	TRICO/SLUDGE - 'STILL ROOM - EAST STILL	NOT ANALYZED
#2333 9	9-18-80	TRICO - FROM 2-275G TANKS IN 'STILL ROOM	339.89
#2334 10	9-18-80	TRICO - COMPOSITE, FINAL TEST DSRSE #1, #2 & #3 SUMPS	42
#2335 11	9-18-80	TRICO - AUTO. FINAL TEST DSRSE 'STILL BOTTOMS	115.81
#2336 12	9-18-80	TRICO - STILL BOTTOMS, EAST STILL	1,202.25
7-5-81		SAMPLE RESULTS OF CHARITERS F. 100: DRUM TO SOUTH DRUM BY N. BUTTERWORTH ARE ON PAGE 11	

PAGE 1

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SUPER PCB sampling results at  
Accord - Enviro-Bill for Service  
Repaired: Fairhaven Marine Inc.  
Wardens Waste Manifests-Sea Service

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#2390 1	9-24-80	TRICO - CAN DERSR, COMPOSITE OF 3 SUMPS	22
#2391 2	9-24-80	TRICO - NEW, FROM 5,000 G. STORAGE TANK	22
#2391 3	9-24-80	TRICO - PURCHASED RECLAIM - COMPOSITE OF 2 DRUMS	22
#2391 4	9-24-80	TRICO/OIL - MACHINING SHOP - COLD DERSR	2,594.59
#2391 5	9-24-80	TRICO/OIL - JANET FRATES' LAB DERSR	216.89
#2391 6	9-24-80	TRICO - RANSBURG - OPEN TOP DERSR	87.84
#2392 7	9-24-80	TRICO - TANK ROOM - OPEN TOP DERSR	11.84
#2393 8	9-24-80	TRICO/OIL - CAN DERSR - STILL BOTTOMS	22
#2394 9	9-24-80	TRICO/OIL - HIGH VOLTAGE DEPT. - OPEN TOP DERSR	22
#2395 10	9-24-80	TRICO - SUB-ASSY - OPEN TOP DERSR	479.97
#2396 11	9-24-80	TRICO - 275 G. TANK UNDER HOT ROOM	103.04
#2397 12	9-24-80	TRICO - 2-275 G. TANKS IN 'STILL ROOM'	125.00
#2398 13	9-24-80	TRICO - 2-275 G. TANKS IN 'STILL ROOM'	131.76
#2399 14	9-24-80	TRICO - RECLAIMED; EAST STILL (BOTTOM OF WATER SEINE)	22
#2421 15	9-25-80	TRICO - STILL BOTTOMS; EAST STILL	216.22
- 16	9-24-80	TRICO - RECLAIMED; EAST STILL, CONDENSING COIL OUTLET	NOT ANALYZED
- 17	9-26-80	DOP - FROM PIPE LEADING INTO 275 G TANK UNDER HOT ROOM	NOT ANALYZED
- 1	10-2-80	TRICO/SLUDGE - FROM OLD PIPE LEADING TO STILL ROOM TAKEN AT JUNCTION OF OLD & NEW PIPE	NOT ANALYZED
#2697 2	10-13-80	TRICO - 2-275 G. TANKS IN 'STILL ROOM. (AFTER F.T. DERSR CLEANED & NEW PIPE TO STILL ROOM INSTALLED.)	81.84
#2698 3	10-14-80	TRICO - 'STILL BOTTOMS; EAST STILL	1,718.52
42698 RE-LIN			1,406
#2938 1	10-20-80	Oil - FROM WEST TRANSFORMER ON SOUTH WALL OUTSIDE OF FINAL TEST MINI-CAFFETERIA. 3 BARRELS USED FOR 6 CLEV.	25
2	10-20-80	WATER/SEDIMENT - NORTH SIDE TROUGH NEAR RIVER. STAGNANT WATER (RAIN STORM SAT. 10/10/80)	NOT ANALYZED
<u>NOTES:</u>		<p><sup>1</sup> COMPOSITE OF TANK ROOM AUTO. F.T. DERSR STILL BOTTOMS, AND OPEN TOP TRANSBURG.</p> <p><sup>2</sup> SAME AS SAMPLE #11. TRICO IN PIPE BESIDE TANK WAS NOT DRAINED.</p> <p><sup>3</sup> SAME AS SAMPLE #12, BUT INCLUDES CAN DERSR STILL &amp; HIGH VOLTAGE.</p>	

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LAB # 803 Sampling results - Lab  
Personnel - Enviro-Site Services  
Received: Enviro-Site Services, Inc.  
Hazardous Waste Manifest - SCA 1005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#311.3	10-30-80	TRICO - 2-2756 TANKS, STILL ROOM	730
#311.4	10-30-80	DOP - 2756 TANK UNDER HOT ROOM	570
#311.5	10-31-80	TRICO - STILL BOTTOMS, EAST STILL	1,330
6	10-31-80	2:30 PM - H <sub>2</sub> O - SOUTH SIDE OF BLDG, DISCHARGE INTO RIVER	NOT ANALYZED
7	10-31-80	H <sub>2</sub> O/SLUDGE - NORTH SIDE OF BLDG, RAINWATER/SLUDGE	SENT OUT AS #70001
<del>#317.1</del>	<del>11-7-80</del>	<del>REMOVED</del>	<del>REMOVED</del>
- 1	11-7-80	TRICO - 2-2756 TANKS NORTHWEST OF CAN DEGREASER - COMPOSITE	LEAKED
#317.2	11-13-80	DOP - FROM IMPREGNATION TANK #9-307, 92-30	8.4
#317.3	11-13-80	TRICO - COMPOSITE FROM 6 DRUMS THAT FLUSHED SYSTEM	150.0
- 4	11-13-80	TRICO - 2756 TANK UNDER HOT	NOT SENT
#317.5	11-13-80	TRICO - 2-2756 TANKS, 'STILL ROOM'	170
- 6	11-13-80	TRICO - IDENTICAL TO #5	LEAKED
#317.7	10-31-80	WATER/SLUDGE - NORTH SIDE OF PLANT FROM TROUGH	4.3
#317.8	11-13-80	TRICO - IDENTICAL TO #5 & #6	140
#317.9	11-14-80	TRICO - STILL BOTTOMS, EAST STILL	280
10	11-14-80	TRICO - STILL BOTTOMS, WEST STILL	NOT SENT
#327.1	11-24-80	TRICO - 2-2756 TANKS, 'STILL ROOM'	301.24
- 2	11-24-80	TRICO - SAME AS #2	NOT ANALYZED
C30KANNS	11-24-80	TRICO - STILL BOTTOMS, WEST STILL; FINDLEY CO.	609
#327.4	11-24-80	TRICO - SAME AS #3	375.78
<del>#327.5</del>	11-25-80	WATER/OIL - PIT OUTSIDE LAB #2	475.05
#327.6	11-25-80	WATER/OIL - OLD DEIONIZING ROOM	547.67
#327.7	11-25-80	WATER/OIL - PUMP IN NEW FILTERING SYSTEM ROOM UNDER #2 TANK ROW	1,024.84
#338.1	12-1-80	TRICO - COMPOSITE; 2-2756 TANKS NEXT TO CAN DEGREASER	64
#338.2	12-3-80	DOP - ORANGE UBRADING TANK (2 <sup>nd</sup> BATCH SINCE DECAL)	373.29
#338.3	12-3-80	WATER/OIL - MAIN DEIONIZING ROOM - BELOW SURFACE	10.27
#338.4	12-3-80	WATER/OIL - " " " - SURFACE	19,863
#339.5	12-3-80	WATER/OIL - SOUTH DEIONIZING ROOM - BELOW SURFACE	54.79
#339.6	12-3-80	WATER/OIL - " " " - SURFACE	179,450
#339.7	12-3-80	WATER/OIL - OLD GENERATOR ROOM - BELOW SURFACE	53.42
#339.8	12-3-80	WATER/OIL - " " " - SURFACE	650.68
#339.9	12-4-80	TRICO - STILL BOTTOMS; WEST STILL	652.89

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SUR PCB Sampling results at Aerocore - Envirocare, Bills for Service  
Performed: Farhman, Mervin, Tamm - Waterbury Waste Manifest-SCA (owner)

X AE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
- 1		TRICO - STILL BOTTOMS; WEST STILL (SENT TO UNIVERSITY)	NOT ANALYZED
#341 1A	12-9-80	TRICO - " " "	930
- 2		TRICO - FROM CLEAN DULK STORAGE (SENT TO UNIVERSITY)	NOT ANALYZED
*35391	12-12-80	DOP - #3 DIRTY OIL STORAGE; SYSTEM #2 100G:1000G BLEND	22
- 2	12-12-80	DOP - #1 CLEAN OIL STORAGE; " " 3:1 BLEND	NOT ANALYZED
- 3	12-12-80	DOP - #4 " " " "	"
- 4	12-12-80	DOP - #2 " " " "	"
- 5	12-12-80	DOP - #3 " " " "	"
*35406	12-12-80	TRICO - STILL BOTTOMS; EAST STILL	730
*35417	12-16-80	OIL - UNKNOWN FROM 1/5TH FULL 55G DRUM	4,000
*35428	12-16-80	DOP - <del>500 GAL</del> UPGRADEING TANK; 2 <sup>nd</sup> BATCH <del>100G:1000G BLEND</del>	34
- 9	12-16-80	DOP - #1 CLEAN OIL STORAGE; SYSTEM #2; 3:1 BLEND	NOT ANALYZED
- 10	12-16-80	DOP - #4 " " " "	"
- 11	12-16-80	DOP - #2 " " " "	"
- 12	12-16-80	DOP - #3 " " " "	"
*354313	12-17-80	DOP - ORANGE UPGRADEING TANK; 2 <sup>nd</sup> BATCH SINCE DECON.	158
*37201	1-8-81	TRICO - STILL BOTTOMS; EAST STILL	975
*38402	1-14-81	DOP - ORANGE UPGRADEING TANK; 3 <sup>rd</sup> BATCH SINCE DECON.	692
3			
*38414	1-15-81	OIL - UNKNOWN	>800,000
- 5	1-15-81	WATER - FROM AEROCORE DRUM	NOT ANALYZED
- 6	1-15-81	OK - " " "	"
- 7	1-15-81	TRICO: " " "	"
*38428	1-15-81	COMPOSITE OF #5, #6 & #7	588,000
*39641	2/4/81	DOP - ORANGE UPGRADEING TANK; 4 <sup>th</sup> BATCH SINCE DECON.	537.184
*39662	2-4-81	TRICO/SLUDGE - 275G TANK UNDER HOT ROOM	56.206

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DRG SUB PCB Sampling results at Accurate - Invited Bills for Service Refurbish Fairhaven Marine, Inc. Waterhouse Waste Manufac. SCA concern

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#1.1.1 1	8-17-81	TRICO - TANK ROOM DSRSR; PIPE UNION 2' EAST OF 2756 UNDER HOT ROOM	369
#1.1.2 2	8-17-81	TRICO - RANSBURG DSRSR; PIPE UNION ON SOUTHEAST OF 2756 " " "	315
#1.1.3 3	8-17-81	TRICO - AUTO FT. DSRSR; PIPE UNION 20' WEST OF 2756 UNDER HOT ROOM	.5
#1.1.4 4	8-17-81	TRICO - RANSBURG DSRSR; CLEAN RECLAIN PITCH FROM GEN'L CHEM	120
#1.1.5 5	8-17-81	TRICO - CAN DSRSR STILL; UNION JUST BEFORE MAIN LINE	38.48
#1.1.6 6	8-17-81	TRICO - HIGH VOLTAGE DSRSR; UNION JUST BEFORE 2-2756; STILL ROOM	221.4
#1.1.7 7	8-19-81	TRICO - 2756 UNDER HOT ROOM; "SLUG" FROM F.T. DSRSR STILL	.10
#1.1.8 8	8-17-81	TRICO - SLUG FROM #7; UNION JUST BEFORE 2-2756; STILL ROOM	269.22
#1.1.9 9	8-17-81	TRICO - SLUG FROM #7; NORTH END OF 2-2756 TANKS; STILL ROOM	192.30
#1.1.10 10	8-18-81	TRICO - STILL BOTTOMS; #7 SLUG	624.97
#1.1.11 11	8-18-81	TRICO - " " " (SENT TO ENERGY RESOURCE)	550
#1.1.12 12	8-17-81	TRICO - F.T. DSRSR; STORAGE TANK (1,500 G.)	.10
#4225 1	2-19-81	WATER - NORTH DEIONIZING ROOM SUMP, SURFACE	117.99
#4226 2	3-2-81	DOP - ORANGE UPGRADING TANK, 5 <sup>TH</sup> BATH SINCE DECON	428.57
#4227 3	3-2-81	TRICO - INSIDE RANSBURG DSRSR	.10
#4228 4	3-2-81	TRICO - DRAIN LINE, RANSBURG DSRSR	.10
#4229 5	3-2-81	TRICO - INSIDE TANK ROOM DSRSR	.15
#4230 6	3-2-81	TRICO - DRAIN LINE, TANK ROOM DSRSR	.15
#4231 7	3-2-81	TRICO - FINAL TEST DSRSR STILL	.15
#4232 8	3-2-81	TRICO - DRAIN LINE, FINAL TEST DSRSR STILL	.15
#4233 9	3-2-81	TRICO - CAN DSRSR STILL	.15
#4234 10	3-2-81	TRICO - DRAIN LINE, CAN DSRSR STILL	.15
#4235 11	3-2-81	TRICO - STORAGE TANK UNDER HOT ROOM (FROM F.T. DSRSR STILL)	.15
#4236 12	3-3-81	TRICO - LINE FROM STORAGE TANK TO STILL ROOM (SAME AS #11)	.15
#4237 13	3-3-81	TRICO - STILL ROOM STORAGE TANKS (SAME AS SLUG #11)	.15
#4238 14	3-3-81	TRICO - STILL BOTTOMS, WEST STILL	288.46
#4239 15	3-3-81	TRICO - INSIDE HIGH VOLTAGE DSRSR	.15
#4240 16	3-3-81	TRICO - DRAIN LINE, HIGH VOLTAGE DSRSR	19.99
#4241 17	3-3-81	WATER - SOUTH DEIONIZING ROOM SUMP, SURFACE	.400
#4242 18	3-3-81	WATER - GENERATOR ROOM, SUMP, BELOW SURFACE	43.97
#4243 19	3-2-81	WATER - EAST TANK, PUMP HOUSE	.269
#4244 20	3-2-81	WATER - WEST TANK, PUMP HOUSE	.007
NOTE: #3 THRU #16 WERE NEW TRICO INSERTIONS.			

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DID  ONE SECTION 30 WERE D. SPEC.  
SUB  PCB Sampling results are  
Accurate - Enclosed Bill for Services  
Performed: Fairhaven Marine, Inc.  
Wardens Waste Manifest-SCA (cont.)

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	APM
"-1-1 1	3-10-81	WATER/MUD/SLUDGE/OIL - OUTFALL 40' NORTH OF PUMP HOUSE	177.50
- 2	3-10-81	WATER - SAME AS AREA "1"	NOT ANALYZED
"-1-3 3	3-10-81	TRICO - FRAMES 2756 TANKS IN STILL ROOM	133.8
"-1-4 4	3-17-81	TRICO - STILL BOTTOMS FROM EAST STILL	211.26
"-1-5 5	3-17-81	TRICO - STILL BOTTOMS FROM WEST STILL	253.52
- 1	3-23-81	WATER - EAST END OF PLANT - EAST SIDE OF WOODEN BARRIER	NO - LARGE ENOUGH QUANTITY
- 2	3-23-81	WATER - " " " - CEMENT TROUGH, SOUTH SIDE OF PLANT	NOT ANALYZED
- 3	3-23-81	WATER - " " " - WEST SIDE OF WOODEN BARRIER	
"-1-7 4	3-25-81	DOP - ORANGE UPGRADING TANK - 6 <sup>TH</sup> BATCH SINCE DECON	532.37
"-1-9C 1	3-30-81	WATER - OUTFALL EAST OF WOODEN BARRIER, 4 GRABS	20.5 PAB
"-1-601 2	3-30-81	WATER - CEMENT TROUGH ON SOUTH SIDE, 4 GRABS	30.8 PAB
"-1-706 3	4-1-81	DOP - COMPOSITE SYS #2, TANKS #1, #2, #3, #4	154/320/240
"-1-707 4	4-2-81	TRICO - DRAIN VALVE; RANSBURG DGRSR	110
"-1-707 5	4-2-81	TRICO - END OF LINE, RANSBURG DGRSR	20
"-1-707 6	4-2-81	TRICO - DRAIN VALVE, TANK ROOM DGRSR	500
"-1-715 7	4-2-81	TRICO - END OF DRAIN LINE, TANK ROOM	212
"-1-558 1	4-6-81	OIL - TRANSFORMER (AMERICA) TRANS.) 3RD FLOOR	146,000
"-2 1	4-10-81	DOP - #1 DIRTY OIL STORAGE TANK - SYSTEM #2	43.16
"-3 2	4-10-81	DOP - #2 " " " " "	24.0
"-4 3	4-10-81	DOP - #3 " " " " "	24.0
"-5 4	4-10-81	DOP - #4 " " " " "	24.0
"-6 5	4-28-81	DOP - ORANGE UPGRADING TANK - 7 <sup>TH</sup> BATCH SINCE DECON.	573.53
"-1-6 1	5-4-81	DOP - 275 GALLON TANK UNDER HOT ROOM	
"-1-1 1	5-12-81	TRICO - STILL BOTTOMS - EAST STILL	582.82
"-1-2 2	5-12-81	DOP - #1 CLEAN OIL STORAGE TANK, SYSTEM #2 (CONT: 1500G)	5.9
"-1-3 3	5-12-81	DOP - #2 " " " " " (CONT: EMPTY)	2.6
"-1-4 4	5-12-81	DOP - #3 " " " " " (CONT: 500G)	2.91
"-1-5 5	5-12-81	DOP - #4 " " " " " (CONT: 1,800G)	3.91

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ONE one Appendix DOP & Appendix E  
DOP PCB Sampling results  
EPA Environmental Bills for Services  
referred: Environmental Machine, Inc.  
Waterhouse Waste Management-SC (cont'd)

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
" 1	5-22-81	DOP - DRAIN LINE INTO 275 G TANK FROM CONVEYOR DRIP PANS, HOT ROOM	2571
" 2	5-20-81	DOP - DRAIN LINE " " " DRAW OUTSIDE HOT RM (WEST)	1,689
800			
" 3 1	6-15-81	WATER/OIL - DEIONIZING ROOM SUMP (HOMOGENIZED)	2,421
" 3 2	6-15-81	WATER/OIL - SOUTH DEIONIZING ROOM SUMP (HOMOGENIZED)	5,373
" 3 3	6-15-81	WATER/OIL - LARGE SUMP NORTH OF BOILER ROOM	396
" 3 4	6-15-81	WATER/OIL - SMALL SUMP NORTH OF PUMP #6, PUMP ROOM	410
" 3 5	6-15-81	OIL - " " SOUTH OF PUMP #27, PUMP ROOM	2,527
" 3 6	6-15-81	WATER/OIL - SMALL SUMP NORTH OF PUMP #37, PUMP ROOM	581
" 3 7	6-15-81	WATER/OIL - SMALL SUMP WEST OF TANK "FF", PUMP ROOM	20
" 3 8	6-15-81	WATER/OIL - SMALL SUMP EAST OF POLE #LC13	410
" 3 9	6-16-81	WATER - INLET TO STORAGE TANK, D.I. ROOM (COMB. W/ #10)	3,333
" 3 10	6-16-81	WATER - " " " " (COMB. W/ #9)	
" 3 11	6-16-81	WATER - OUTLET FROM STORAGE TANK, D.I. ROOM (COMB. W/ #12)	54.2
" 3 12	6-16-81	WATER - " " " " (COMB. W/ #11)	
" 79 1	6-18-81	DOP - 3 TANK, TANK ROOM, VERSAR SAMPLE	42
" 79 2	6-19-81	DOP/PUMP OIL - TANK UNDER PUMP ROOM FLOOR	82,190
" 79 3	6-19-81	DOP - SAME 55 GAL DRUM UNDER HOT ROOM AS VERSAR	536.6
" 79 4	6-19-81	DOP - 55G DRUM UNDER HOT ROOM EAST OF 275 G DOP TANK	70,540
" 79 5	6-19-81	DOP - " " " " WEST	355
" 79 6	6-19-81	TRICO - STILL BOTTOMS FROM 55G DRUM, NOT SAME AS VERSAR	628.0
" 75 1	6-22-81	SOIL - BACKYARD, EAST OF DOOR (SAME AS EPA #6)	20.19
" 75 2	6-22-81	SOIL - TROUGH, COMMON DOCK (SAME AS EPA #2)	.03
" 75 3	6-22-81	SOIL - DISCHARGE 002 - NEAR RIVER (EPA #3)	1.89
" 75 4	6-22-81	SOIL - DISCHARGE 001 - NEAR RIVER (EPA #4)	.45
" 75 5	6-22-81	SOIL - NORTH TROUGH NEAR 13B (EPA #7)	.25
" 75 6	6-22-81	SOIL - NORTH TROUGH NEAR SUB-ASSY FIRE DOOR (EPA #8)	.47
" 80 1	6-24-81	FROM INLET TO 275G TANK UNDER HOT ROOM FROM SIDE	
" 80 2	6-24-81	DOP - DRAW (WEST) OF HOT ROOM	410
" 80 7	6-24-81	DOP - FROM INLET TO 275 G TANK UNDER HOT ROOM FROM COLLECTION PANS UNDER CONVEYOR	954.6
		+ FILLED IN W/ STAIN - 9/3	

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SUR PCB Sampling results  
Because - Envirocare, Bills for Service  
Performed: Faribault, Minnesota  
Wardrobe Waste Manufact.-SCA Source

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#369 9	6-25-81	DOP 55 G. DRUM, I.D. #1, UNDER HOT ROOM	3,758
#369 10	6-25-81	DOP " " , I.D. #2, " " "	410
#370 11	6-25-81	DOP " " , I.D. #3, " " "	410
#371 12	6-25-81	DOP " " , I.D. #4, " " "	203
#372 13	6-25-81	DOP " " , I.D. #5, " " "	9.7
#373 14	6-25-81	DOP " " , I.D. #6, " " "	5,567
#374 15	6-25-81	DOP " " , I.D. #7, " " "	410
#375 16	6-25-81	DOP " " , I.D. #8, " " "	38.8
#376 17	6-25-81	DOP " " , I.D. #9, " " "	42
#377 18	6-25-81	DOP " " , I.D. #10, " " "	4,036
#378 19	6-25-81	DOP " " , I.D. #11, " " "	221
#379 20	6-25-81	DOP " " , I.D. #12, " " "	305
#380 21	6-25-81	DOP " " , I.D. #14, " " "	505
#381 22	6-25-81	DOP " " , I.D. #15, " " "	68
#382 23	6-25-81	DOP " " , I.D. #16, " " "	168
#383 24	6-25-81	DOP " " , I.D. #17, " " "	221
#384 25	6-25-81	DOP " " , I.D. #18, " " "	242
#385 26	6-25-81	DOP " " , I.D. #19, " " "	295
#386 27	6-25-81	PUMP OIL - 55 G. DRUM, COMPOSITE I.D. #1, #2, #3, #4, UNDER HOT ROOM	1,243
#387 28	6-26-81	PUMP OIL - " " , COMPOSITE I.D. #5, #6, #7, #8, "	1,495
#388 29	6-26-81	PUMP OIL - " " , COMPOSITE I.D. #9, #10, #11, #12, "	3,693
#389 30	6-26-81	DOP - COMPOSITE; 8 FILL HOLE SOLDER STATION Drip Pails	317
#390 31	6-26-81	DOP - COMPOSITE; 2 SAMPLES UNDER POWERED FEED COUNTER	1,064
#391 32	6-26-81	DOP - UNDER BASKET RETURN CONVEYOR, WEST SIDE HOT ROOM	2,048
#392 33	6-26-81	DOP - COMPOSITE, TOP OF TWO FILL HOLE TABLES, NORTH #1 & #3	1,436
#393 1	7-2-81	PUMP OIL - 55 G. DRUM, I.D. #1	1,141
#394 2	7-2-81	PUMP OIL - " " " , " #2	424
#395 3	7-2-81	PUMP OIL - " " " , " #3	1,263
#396 4	7-2-81	PUMP OIL - " " " , " #4	727
#397 5	7-2-81	PUMP OIL/TEKCO - 55 G. DRUM, I.D. #13	1,615
#398 6	7-2-81	PUMP OIL/WATER - " " " , " #14	2,193
#399 7	7-2-81	PUMP OIL - " " " , " #15	6,578
#400 8	7-2-81	PUMP OIL - PUMP ROOM, LINE OIL STORAGE TANK #2	754.8

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DRB ORG Acetate 3.0 DOP ID APR-86  
SUB PCB Sampling results at  
Decomex - Services Bill for Services  
Refrigerated Fishhouse Marine, Inc.  
Various Work Maint-SCA (cont)

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	AMT
#31 9	7-3-81	TRICO - TANK ROOM DOOR; AFTER DRAIN VALVE	315.9
#32 10	7-3-81	TRICO - 275 G STORAGE TANK; UNDER HOT ROOM	362.0
#33 10	7-3-81	TRICO - TANK ROOM DOOR; END OF DRAIN LINE UNDER HOT RM.	78.87
#33 11	7-3-81	TRICO - END OF DRAIN LINE, STILL ROOM, SLUG FROM #10A	341.8
#33 12	7-3-81	TRICO - OUTLET OF 2-275G TANKS, STILL ROOM, SLUG FROM #10A	280.4
#33 13	7-3-81	TRICO - RANSOMES DOOR, END OF DRAIN LINE, UNDER HOT RM.	17.5
#33 14	7-3-81	WATER - PUMP HOUSE, EAST TANK (COMBINE w/ #15)	489.86
15	7-3-81	WATER " " " (COMBINE w/ #14)	PPB
16	7-3-81	WATER - PUMP HOUSE, WEST TANK (COMBINE w/ #17)	62.1
17	7-3-81	WATER " " " (COMBINE w/ #16)	PPB
20	7-3-81	WATER - DEIONIZING ROOM, OUTLET (COMBINE w/ #21)	100
21	7-3-81	WATER " " " (COMBINE w/ #20)	PPB
22	7-3-81	WATER - DEIONIZING ROOM, INLET (COMBINE w/ #23)	1.19
23	7-3-81	WATER " " " (COMBINE w/ #22)	PPB
(C-22-0) SAMPLES TAKEN ON THIS DATE ARE LISTED ON THE NEXT PAGE,			
#151 1	7-28-81	TRICO - STILL BOTTOMS TALLY DOOR	38.8
#151 2	7-28-81	TRICO - 275 G TANK UNDER FILL HOLE AREA	185.0
#151 3	7-28-81	TRICO - TANK ROOM DOOR - AFTER DRAIN VALVE	24.7
#152 4	7-28-81	DOP - NORTHEAST SIDE DRAIN (92-30) [FROM DRUM]	22.5
#152 5	7-28-81	DOP - SOUTHEAST SIDE DRAIN (92-39) [FROM DRUM]	18.0
#152 6	7-28-81	DOP - MIXED OIL FROM FILL HOLE STATIONS [FROM DRUM]	107.3
#152 7	7-28-81	DOP - MIXED OIL FROM RETURN CONVEYOR [FROM DRUM]	251.6
#152 8	7-28-81	DOP (92-30 CM) FROM 6-2 TEE 40' CONVEYOR [FROM DRUM]	55.5
#152 9	7-28-81	PUMP OIL - UPPER PUMP ROOM - PUMP #13, BASE	556.59
#152 10	7-28-81	PUMP OIL - " " " #14, "	800.40
#152 11	7-28-81	PUMP OIL - " " " #15, "	743.23
#152 12	7-28-81	PUMP OIL - " " " #16, "	828.98
#152 13	7-28-81	PUMP OIL - " " " #17, "	6000.5
#152 14	7-28-81	PUMP OIL - " " " #18, "	847.65
#152 15	7-28-81	PUMP OIL - " " " #19, "	1,000.5
#152 16	7-28-81	PUMP OIL - SYSTEM #2 FILTER PUMP (UPGRADE PUMP)	583.62
#153 17	7-28-81	PUMP OIL - UPPER PUMP ROOM - PUMP #24, BASE	805.96
#153 18	7-28-81	PUMP OIL - " " " #11, "	875.44
#153 19	7-28-81	PUMP OIL - " " " #12, "	944.92
#152 20	7-28-81	PUMP OIL - " " " #10, "	986.60

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DRC - UMC RECYCLING CORP.  
SUB PCB Sampling results at  
Accord - Sonoma Bill for Service  
Received: Fairhaven Marine Inc.  
Waterfront Waste Manifest-SC-0005

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#1531 21	7-28-81	PUMP OIL - UPPER PUMP ROOM - PUMP #9 (NEW) - BASE	97.27
#1531 22	7-28-81	PUMP OIL - " " " " #8	694.79
#1531 23	7-28-81	PUMP OIL - " " " - PUMP #7 (NEW) - "	97.42
#1541 24	7-28-81	PUMP OIL - " " " " #4 "	104.37
#1541 25	7-28-81	PUMP OIL - " " " " #5 "	76.54
#1541 26	7-28-81	PUMP OIL - " " " " #6 "	958.81
#1541 27	7-28-81	DOP - ORANGE UPGRADING TANK (AFTER EASTERN PAVE MCH. CLEAN)	861.54
#1541 28	7-28-81	DOP - EAST FILTER WEST OF TANK (" " " " )	111.17
- 29	7-28-81	DOP - FILTER ADJACENT TO EAST FILTER (" " " " )	NOT ANALYZED
30	7-28-81	DOP - FILTER ADJACENT TO WEST FILTER (" " " " )	NOT ANALYZED
31	7-28-81	DOP - WEST FILTER (" " " " )	NOT ANALYZED
#1326 1	7-21-81	TRICO - TANK ROOM DSRSL; AFTER DRAIN VALVE	156.71
#1327-2 2	7-21-81	DOP - NORTHEAST SIDE DRAIN (92-30 oil) [FROM PIPE]	24.48
- 3	SKP	DOP - SOUTHEAST SIDE DRAIN (92-39)	SKIP
#1388 4	7-21-81	DOP - MIXED OIL FROM FILL HOLE SODER STATION [FROM DRAIN PIPE]	195.88 SENT OUT NOT ANALYZED
- 5	7-21-81	DOP - MIXED OIL FROM RETURN CONVEYOR [FROM DRAIN PIPE]	
#1389 6	7-21-81	DOP - OIL FROM 40' CONVEYORS (92-30) [FROM DRAIN PIPE]	58.76
#1444 7	7-23-81	PUMP OIL - 55 G. DRUM, I.D. #5	3,220.5
#1445 8	7-23-81	PUMP OIL - " " " " #6	2,644.4
#1446 9	7-23-81	PUMP OIL - " " " " #7	1,796.2
#1447 10	7-23-81	PUMP OIL - " " " " #8	1,626.7
#1448 11	7-23-81	PUMP OIL - " " " " #9	1,830.1
#1449 12	7-23-81	PUMP OIL - " " " " #10	7,662.0
#1450 13	7-23-81	PUMP OIL - " " " " #11	813.4
#1451 14	7-23-81	PUMP OIL - " " " " #12	
- 15	7-22-81	PUMP OIL - RECYCLED LINE OIL, STORAGE TANK #1	6,780.5 SENT OUT NOT ANALYZED
#1452 16	7-23-81	PUMP OIL - 8 55 G. DRUM, I.D. #1A	3,389 SENT OUT NOT ANALYZED
- 17	SKP	PUMP OIL - RECYCLED LINE OIL, STORAGE TANK #3	
#1390 18	7-22-81	PUMP OIL - RECYCLED LINE OIL, GRAY UPGRADING TANK	915.0
#1391 19	7-22-81	PUMP OIL - VACUUM PUMP #3, BASE UPPER P.R.	186.1
#1392 20	7-22-81	PUMP OIL - " " " BOOSTER	2.5
#1393 21	7-22-81	PUMP OIL - " " " #37, BASE MIDDLE P.R.	48.9
#1394 22	7-22-81	PUMP OIL - " " " BOOSTER	2.2
#1395 23	7-22-81	PUMP OIL - " " " #28, BASE LOWER P.R.	19.6

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DRC ORC Appendix 3.0 DOP 3 April  
SUB PCB Sampling results  
Accorax - Services Bille for Service  
Refrigeration, Fairhaven Marine, Inc.  
Various Waste Manifests - SCA samples

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#1310 24	9-22-81	PUMP OIL - VACUUM PUMP #20, BOOSTER LOWER PL	4.2
#1311 25	9-22-81	PUMP OIL - " " " 44, BASE NEW PL	1,411.9
#1312 26	9-22-81	PUMP OIL - " " , BOOSTER	4.2
- 27	9-22-81	PUMP OIL - FILTER PUMP FOR SYSTEM #3	SENT OUT NOT ANALYZED
#1313 28	9-22-81	PUMP OIL - NEW PUMP OIL STORAGE	4.2
#1406 29	9-22-81	PUMP OIL - OIL RACK #3, NEW PUMP ROOM (LINK TO #2)	3,185.6
- 31	SKIP	PUMP OIL - 55 G. DRUM, I.D. #2A	SKIN
- 32	SHIP	PUMP OIL - " " , I.D. #3A	SKIN
- 33	SHIP	PUMP OIL - " " , I.D. #4A	SKIN

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
#2092 1	9-5-80	DOP- CAPACITOR #1	19.23
#2095 2	9-5-80	DOP- " #2	12.50
#2093 3	9-5-80	DOP- " #3	4.2
#2096 4	9-5-80	DOP- " #4	306.25
#2087 5	9-5-80	DOP- <del>CAPACITOR?</del>	17.86
#2094 5	9-5-80	DOP- CAPACITOR #5	6.73
#2088 5	11-5-80	DOP- FLUID	13.39
#2097 6	9-5-80	DOP- CAPACITOR #6	37.50
#2089 6	9-5-80	DOP? - FLUID	65.18
#2090 7	9-5-80	" "	8.93
#2091 8	9-5-80	DOP- COMPOSITE OF 6 CAPACITORS	58.03

10/16/85

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sur PCB sampling results at  
Account - Invoices Bills for Service  
Performed: Easthaven Marine, Inc.  
Waterous White Manfest-SCA (con't)

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	PPM
1	8-13-81	SATURATED POROCO, SOUTH WATER, JEFFERSON DOCK	237,332
2	8-13-81	DOP - MIXED OIL, FILTHOLE SOLDER AREA	30.2
3	8-13-81	DOP - MIX OIL, WEST RETURN CONVEYOR	322.8
4	8-13-81	DOP - 92-30 40' LONG CONVEYORS	88.62
- 5		SKIPPED, NO SAMPLE	
5	8-13-81	PUMPOIL - VACUUM PUMP #4, BASE	91.79
6	8-13-81	PUMP OIL - " " " 17, BASE	105.06
7	8-13-81	PUMP OIL - " " " 19, BASE	72.79
8	8-13-81	TRICO - 2-275G TANKS, STILL ROOM	37.98
9	8-14-81	TRICO - STILL BOTTOMS (WEST STILL)	62.62
10	8-19-81	PUMP OIL - VACUUM PUMP #28, BASE	375
11	8-20-81	TRICO - 275G TANK UNDER HOT ROOM (THERM INSERTION)	21.42
12	8-21-81	TRANSFORMER OIL (RTTEMP) SOUTH G.E. NST OF REC'D	134,109
13	8-21-81	TRANSFORMER OIL (RTTEMP) NORTH " " "	143,223
14	8-21-81	TRICO - STILL BOTTOMS; DRUM I.D. #17; LABL DT 9/4/81; USED DRUM PREVIOUSLY	121.1
15	9-9-81	TRICO - STILL BOTTOMS; DRUM I.D. #17; LABL DT 9/4/81; USED DRUM	176.6
16	9-9-81	TRICO - STILL BOTTOMS; " " " 6T; LABL DT 8/24/81; NEW DRUM	31.2
17	9-9-81	PUMP OIL - USED OIL; " " " 50P; LABL DT 9/5/81	178.4
18	9-9-81	PUMPOIL - " " " 42P; LABL DT 8/19/81	166.5
19	9-9-81	DOP - FILTHOLE SOLDER; DRUM I.D. #27D; 1/4 FULL [REMOVED FROM DENVER]	392.46
20	9-9-81	DOP - RETURN CONVEYOR; " " " 28D;	201.19
21	9-9-81	DOP - 40' CONVEYORS; " " " 29D;	111.7
22	9-9-81	PUMPOIL - VACUUM PUMP #13, BASE	21.7
23	9-9-81	PUMPOIL - " " " 14, "	140.5
24	9-9-81	PUMPOIL - " " " 15, "	41.6
25	9-9-81	PUMPOIL - " " " 16, "	67.6
26	9-9-81	PUMPOIL - " " " 17, "	38.1
27	9-9-81	PUMPOIL - " " " 18, "	33.8
28	9-9-81	PUMPOIL - " " " 19, "	39.6
29	9-9-81	PUMPOIL - " " " 24, "	22.7
30	9-9-81	PUMPOIL - " " " 4, "	

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SUB PCB Sampling results at  
Accomack - Envirocare Bills for Service  
Rebarachki, Fairhaven Marine, Inc.  
Various Waste Manifests - SCA samples

XAE005

SAMPLE NUMBER DATE	DESCRIPTION	PPM
31 9-11-81	WATER - DISCHARGE 40' N OF OLD PUMP HOUSE COMMON AREA	26.88 PPM
32 9-11-81	WATER. " " "	24.19 PPM
33 9-11-81	WATER - DISCHARGE SOUTH END OF HADLEY ST CLOACAL	8.77 PPM
34 9-11-81	WATER. " " "	7.79 PPM
35 10-2-81	SOIL - SOUTH TROUGH - OUTSIDE ACCOMACK CAFETERIA - PAINTED "V"	873.71 PPM
36 10-2-81	SOIL. " " - ACU-CAP - WEST OF PARKING SPACE #2E - PAINTED "O"	1,616.6 PPM
37 10-2-81	SOIL. " " - WEST OF PARKING SPACE #2E - PAINTED "S"	688.55 PPM
38 10-2-81	SOIL. " " - NORTH/SOUTH JUG - PAINTED ":"	654.69 PPM
39 10-2-81	SOIL. " " - EAST SIDE OF COMMON DOCK - PAINTED "I"	
40 10-2-81	SOIL. " " - SAME AS EPA SAMPLE #2 (TESTED)	19.26 PPM
41 10/4/81	WATER - SOUTH TROUGH (002) WEST OF FENCE (16.62 ppm)	3.87 PPM
42 10-15-81	TRICO - DIRECTLY FROM WEST STILL	
43 10-16-81	TRICO - STILL BOTTOMS DRUM #27T (DATED 10-14-81)	36.26 PPM
44 10-16-81	DOP - FROM PAIL, SOUTH TABLE, FILL HOLE SOLDER, STATION #1	49.39 PPM
45 10-16-81	DOP. " " , TABLE ADJ. TO SOUTH TABLE, STATION #3 (90-39)	22.93 PPM
46 10-16-81	DOP. " " , TABLE ADJ. TO NORTH TABLE, STATION #5	112.90 PPM
47 10-16-81	DOP. " " , NORTH TABLE, FILL HOLE SOLDER, STATION #7	40.57 PPM
48 10-16-81	DOP - UNDER HOT ROOM, RETURN CONVEYOR, FROM DRUM #2BD	493.58
49 10-16-81	DOP. " " , FILL HOLE STATIONS, " " #45D	106.88
50 10-16-81	DOP. " " , 40' CONVEYORS, DRUM #51D	88.51
51 10-16-81	DOP. " " , 92-30 DRAIN, FROM DRUM #46D	52.92
52 10-16-81	DOP. " " , 92-29 DRAIN, " " #52D	111.14
53 10-16-81	PUMP OIL - USED; DRUM I.D. #103P; DATED 10/5/81	5.01
54 10-16-81	PUMP OIL - USED; NEW TANK ROOM; DRUM #124P; DATED 10-10-81	1.67
55 10-16-81	TRICO - STILL BOTTOMS; REVETMENT AREA; DRUM #15T; DATED 7/20/81	64.27
56 10-21-81	TRICO - STILL BOTTOMS; WEST STILL DRUM; ID #2BT (DATED 10/20/81)	54.69
57 10-21-81	PUMP OIL - USED; DRUM I.D. #43P; DATED 8/13/81 NOT SHAKEN	13.01
58 10-21-81	PUMP OIL - USED; DRUM I.D. #44P; DATED 8/19/81 (SHAKEN)	9.76
59 10-21-81	PUMP OIL - USED; DRUM I.D. #28P; DATED 8/16/81 (SHAKEN)	17.89
60 10-21-81	PUMP OIL - USED; DRUM I.D. #65P; DATED 9/10/81 (SHAKEN)	6.51

NOTE: FUTURE PUMP OIL SAMPLES SHOULD BE MARKED  
"DO NOT SHAKE" AND ONLY THE OIL PORTION  
SHOULD BE SAMPLED.

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DRA SUB ORG AEROMARINE DUP D.C.P.M.  
PCB Sampling results at  
Decatur - Envirotest, Inc.  
referred: Fairhaven Marine, Inc.

Various waste Manifests-SEA samples

XAE005

SAMPLE NUMBER	DATE	DESCRIPTION	(SHAKED)	PPM
61	10-21-81	PUMP OIL - USED - NEW TANK ROOM - DRUM I.D. #95P ; DATED 9/9/81	54.11	
62	10-21-81	PUMP OIL - USED - NEW TANK ROOM. DRUM I.D. #102P; DATED 8/24/81	1,095.85	
63	11-5-81	PUMP OIL - USED - DRUM I.D. #62P - DATED 8/28/81	466.67	
64	11-5-81	PUMP OIL - USED - DRUM I.D. #61P - DATED 8/11/81	50.0	
—	65A-5-81	TRICO - STILL BOTTOMS - WEST STILL - DRUM I.D. #30T (11-5-81)	50.0	
—	66 11-6-81	WATER/OIL - SUMP NORTH OF VACUUM PUMP #6 (HOMOGENIZED)	541.17	
—	67 11-6-81	WATER/OIL - SUMP SOUTH OF VACUUM PUMP #7 ( " )	325.0	
—	68 11-6-81	WATER/OIL - SUMP NORTH OF VACUUM PUMP #37 ( " )	36.76	
—	69 11-6-81	WATER/OIL - SUMP NORTH OF VACUUM PUMP #7 ( " )	21.0	
—	70 11-6-81	WATER/OIL - SUMP EAST OF POLE #18L3 ( " )	SWIM WHS 22Y NO SAMPLE TAKEN NOW	
—	71 11-9-81	TRICO - STILL BOTTOMS - FROM STILL - EAST STILL	731.624	
—	72 11-9-81	TRICO - STILL BOTTOMS - EAST STILL - FROM STILL; 1 <sup>st</sup> BATCH SINCE CLOSING	731.7075	
—	73 11-9-81	TRICO - STORAGE TANKS IN STILL ROOM	28.3	
—	74 11-17-81	TRICO - FROM VACUUM TANK USED TO DRAIN SUB-ASSY DERSR	61.0	
—	75 11-19-81	TRICO - TANK ROOM DERSR - DRAIN LINE AFTER DRAIN VALVE	61.0	
—	76 11-19-81	TRICO - RANSBURG DERSR - DRAIN LINE BEFORE STORAGE TANK	61.0	
—	77 11-19-81	TRICO - TALLY DERSR STILL - DRAIN LINE BEFORE STORAGE TANK	9.87	
—	78 11-19-81	TRICO - CAN DERSR STILL - DRAIN LINE BEFORE MAIN LINE	61.0	
—	79 11-19-81	TRICO - HIGH VOLTAGE DERSR - 3RD FLOOR - "SCOOLED" OUT	3499.6	
—	80 11-19-81	TRICO - SUB-ASSEMBLY DERSR - DRAIN VALVE	61.0	
—	81 11-20-81	TRICO - STILL BOTTOMS (MIXED, BOTH STILLS) DRUM DATED 11-19-81	36.67	
82	12-1-81	TRICO - Still Bottoms	Drum dated 11-25-81	
83	12-1-81	"	11-30-81	
84	12-1-81	"	12-1-81	47.9
85	12-1-81	"	11-28-81	41.7
86	12-1-81	"	11-24	
87	12-1-81	"	11-25	53.9
88	12-1-81	High Voltage Derser	1242	3450
89	12-4-81	High Voltage Oil Tank	1284	355
90	12-4-81	South Iron - N. fence		101.6
				61 PPB

\* NOTE: ON THESE SAMPLES, STEAM PRESSURE ON STILLS  
RAISED UP BY K. GOLDON, MAY HAVE A GREATER CON-  
CENTRATION OF PCB'S BECAUSE OF THIS ACTION.

\* NOTE: FUTURE PUMP OIL SAMPLE SHOULD BE  
MARKED "DO NOT SHAKE" & ONLY THE OIL PORTION  
SHOULD BE ANALYZED.

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DRI ORG ACT#00030 DOP 3 APR  
SUB PCB Sampling results  
Accompl - Envirocare, Bills for Service  
Revised - Fairhaven Marine, Inc.  
Various waste Manifests - SCARCE

XAE005

Sample #	Date	Description	PPM
91	12/4/81	Trico still bottom - drum dated 10/1/81	29.4
92	12/7/81	Storage tank sump (East)	123.7
93	12/11/81	Trico still bottom - drum dated 10/1/81	63.12
94	12/11/81	Storage tank sump (East)	99.16
95	12/21/81	Trico still bottom drum 12/3/81	62.44
96	"	" " "	22.02
97	"	" " "	100.88
98	"	Pump House (East)	51.55
99	"	" " (West)	.07
100	12-23	Trico still bottom	86.43
101	12-23	" " "	65.08
102	12-28	Pump House (East)	16.84
103	"	" " (West)	.044
104	"	Lower Lab Sump	.25
105	"	C. Crook's Sump	188.08
106	"	F.I.L. Hole Drain	142.31
107	1-5-82	TRICO - STILL BOTTOM - DRUM DATED 1-4-82	66.19
108	"	CAKITE CALUM & 1E80	260.31
109	"	PUMP HOUSE (EAST)	.93
110	"	SUMP BEHIND EXIT 16 - Sub Assy. (North East)	.05
111	"	SUMP @ 1C13 - NE. Pump Room Ramp	.14
112	"	SUMP @ 1F42 - South of Mach. Shop	.02
113	"	SUMP @ 1F50 - NE. Al Richards desk	.14
114	1-6-82	SUMP NEAR 1C15 (CENTER OF SALT GRAY TEST)	.04
115	1-6-82	SUMP NEAR 1B15 (W/PUMP " " )	.09
116	1-1-82	RECLAIMED PUMP OIL TANK #1	32.33
117	1-F-82	TRICO - H.V. DEGREASER	21.4 22.32 49.72
118	"	TRICO - STILL BOTTOM - DRUM DATED 1-15-82	28.10 26.89 75.05
119	"	PUMP H142 (SEAFIT)	2.12 6.74
120	1-25-82	PUMP HOUSE (EAST)	1242- 0.37 1254- 0.16 .47

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DRA ORC Aeronautics DOP S. A. P. E.  
SUB PCB Sampling results at  
Acronautics - Spokane, Wash. for Service  
Refrigerated Fairhaven Machine Inc.

Various Waste Manifests-SEA source

XAE005

SAMPLE #	DATE	DESCRIPTION	FT HI
121	1-25-82	TRICO COLLECTOR - TRICO DATED: 1-18-82	52.58
122	"	FILL HOLE DRAIN - DRUM DATED: 12-18-81	104.18
123	"	RECLAMED TRICO CIL - TRICO # 55	32.68
124	2-1-82	TRICO - STILL BOTTOM - DRUM DATED: 1-28-82	43.60
125	"	PUMP HOUSE (EAST)	0.19
126	"	TRICO - H.V. DEGREASER	6.45
127	2-8-82	TRICO - STILL BOTTOM DRUM DATED: 2-2-82	35.47
128	2-9-82	PUMP HOUSE (EAST)	0.13
129	2-11-82	SILVERTANK @ 1E (NEAR LIGED PUMP OIL)	25.45
130	2-5-82	SMALL CIL CAPACITOR	D.O.P.
131	"	LARGE LIQUID CAPACITOR	.17
132	"	LARGE CIVL CAPACITOR	D.O.P.
133	2-16-82	TRICO STILL BOTTOM DRUM DATED: 2-12-82	41.84
134	"	PUMP HOUSE (EAST)	.47
135	2-22-82	3 CAPACITORS FOR 1 COMPOSITE SAMPLE	1016-1017 D.O.P.
136	"	SUMP @ 1A49 - WELDER SHOP	3.12
137	"	SUMP @ 1A58 - HOT TANNING ROOM	<2.
138	"	DRUM ON LEFT SIDE OF EXIT 16 @ 1B69 (SUB ASSY-N.E. CORNER)	37.48
139	"	PUMP HOUSE (EAST)	TC.6
	"	" "	.02
	"	" "	D.O.P.
	"	" "	ZINC
	"	" "	TRICO PRES
140	2-22-82	AIR CONDITIONER DRAINHOLE @ 1F17 (JEFFERSON DOCK)	.26
141	"	SUMP @ 1F23 UNDER ARCHIE'S OFFICE	.03
142	"	SUMP @ 1D31 CAFETERIA - SPRINKLER SYSTEM	.06
143	"	SUMP @ 1F31 CAFETERIA - " "	.02
144	"	SUMP @ 1D42 MACH. SHOP - " "	.05
145	"	SUMP @ 1F63 SUB-ASSY	.17
146	"	SUMP @ 1C70 SUB-ASSY - EAST WALL	4.55
147	"	TRICO STILL BOTTOM - DRUM DATED: 2-22-82	23.52
148	2-23-82	FILL HOLE SOLDER AREA DRAIN - DRUM DATED:	123.05
149	"	SUMP @ 1I10 C. CRICKS AREA - BEHIND WRAPPING MACH.	.27
150	3-1-82	STILL BOTTOM (TRICO) - DRUM DATED: 3-1-82	33.98

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DR. UNPREDICTABLE  
SUB PCB Sampling results  
ACCORDING To sample bills for Service  
RECORDED Environmental Marine Inc.  
Various waste Manifests-SCA issues

XAE005

SAMPLE #	DATE	DESCRIPTION	A.P.M.
151	3-1-82	PUMP HOUSE (EAST)	.24
152	"	PUMP HOUSE (WEST)	<.02
153	3-8-82	PUMP HOUSE (SOUTH)	.30
154	3-5-82	SUMP @ 1-I-F6 (C. CROOKS AREA)	.06
155	"	SUMP @ 1-I-1B (PAINTED AREA)	.05
**156	"	SUMP @ 1-A-54 (SUE-ASSY)	.05
**157	3-5-82	TANK # 3 @ 1-E-6-A	10942.6
**158	"	TANK # 4 @ 1-E-6-A	15083.5
159	3-8-82	PUMPHOUSE (EAST)	221501.9
160	"	TRIO STILL BOTTOMS - DRUM DATED: 3-8-82	.39
**161	3-10-82	SUMP @ 1-F-13 (BELOW MEN'S ROOM)	59.31
**162	3-11-82	TANK, DEGRSR @ 1-C-13 (SKIMMER SYSTEM)	.72
163	"	SUMP @ 1-I-14 (BOILER ROOM)	.015
164	"	TROUGH IN BOILER ROOM	.02
165	3-15-82	TRIO STILL BOTTOMS - DRUM DATED 3-15-82	35.91
166	"	PUMPHOUSE (EAST)	.16
167	3-22-82	STILLIX TTA15, TK120 - DRUM DATED 3-22-82	16.87
168	3-29-82	RIVER - SURFACE - 45' EAST OF NORTH TROUGH (AEROC)	57.91
169	"	RIVER - 12" DEPTH - 45' EAST OF NORTH TROUGH (AEROC)	44.57
170	"	RIVER - 12" DEPTH - 25' EAST OF SOUTH TROUGH (AEROC)	24.74
171	"	RIVER - SURFACE - 25' EAST OF SOUTH TROUGH (AEROC)	115.51
172	"	SUMP @ 1-I-6-B (C. CROOKS AREA)	.32
173	"	SUMP @ 1-B-11 (ENTIS & SKIMMER)	7.33
174	"	SUMP (PUMPHOUSE) (S.E.I.T 4-6-82)	.65
175	"	PUMPHOUSE (EAST)	.25
176	"	SKIMMER - OIL TANK	99.51
177	"	SKIMMER - WATER TANK	<.02
178	4-6-82	12" DEPTH - 25' - 75' DEPTH: 4-6-82	.17
179	"	"	.02
180	"	"	.20

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DRY ORG Acetate 3.0000 15 April  
sum PCB Sampling results at  
Acreside - Environ. Sill for Series  
Received: Fairhaven Marine, Inc.  
Wardens Work Manifest - Scanlines

XAE005

SAMPLE	TYPE	PCB CONC.	T.P.H.
181	4-5-82 SKINNY @ 1-2-13 "SKIMMER SYSTEM?"	.21	
182	4-5-82 TANKS @ 1-2-13 "TANKS?"	.25	
183	4-5-82 SQUARE TANK - OLD PUMP OIL RECL. SYS.	64.76	
184	4-15-82 PUMPHOUSE (EAST)	2.08	
185	4-15-82 PUMPHOUSE (EAST)	(PPB) 20.30	
186	" PUMPHOUSE (WEST)	(PPB) 25.14	
187	" STILL BOTTOMS, TRICO - DRUM DATED: 4-21-82	93.81	
188	" SUMP @ 1-1-6 B (PIT @ BENCH OF SHAFT)	17.76 35.6 20.72	
189	" SUMP @ 1-1-14	219.58 40.39	
190	4-23-82 NORTH G.E. TRANSFORMER	89.700	
191	" FILTER @ 1-B-6 (PUMP ROOM)	9.34 51.7	
192	4-26-82 PUMPHOUSE (EAST)	10.6 11.1 15.15	(PPB)
193	" STILL BOTTOMS, TRICO, DRUM DATED: 4-27-82	42.07	
194	5-4-82 PUMPHOUSE (EAST)	147.2	
195	" STILL BOTTOMS, TRICO, DRUM DATED: 5-4-82	46.79	
196	5-14-82 PUMPHOUSE (EAST) 2111-3 (CLO.) 102 FT	(PPB) 23.65	
197	" PUMPHOUSE (WEST)	(PPB) 30.88	
198	5-17-82 STILL BOTTOMS, TRICO, DRUM DATED: 5-17-82	37.65	
199	5-24-82 PUMPHOUSE (WEST)	(PPB) 19.53	
200	" STILL BOTTOMS, TRICO, DRUM DATED: 5-24-82	43.27	
201	6-4-82 PUMPHOUSE (EAST) 2111-3 (CLO.) 102 FT (PPB) 90.73		
202	" STILL BOTTOMS, TRICO, DRUM DATED: 6-4-82 135.9		
203	" SUMP @ 1-I-6 B	15.11	
204	" SUMP @ 1-M-5 B	14.23	
205	6-11-82 SUMP @ 1-F-45 CELLAR BELOW MEN'S ROOM	(PPB) 4.44	
206	" SUMP @ 1-F-46 UNDER EXIT IS STAIRCASE	(PPB) 17.62	
207	6-14-82 100 FT IN LAB DEGREASER	12.14	
208	" PUMPHOUSE (WEST) 2111-3 1.9 FT, P.C.B.: (PPB) 33.17		
209	6-17-82 BUCKETS NEAR 1-T-2 (CARTON STORAGE AREA)	4.773	
210	6-23-82 SKIMMER SYSTEM OIL TANK	19.62	

202A 6-25-82 ? SAMPLE OF #22 TRICO STILLBOTTOM'S

67.14

— FIRST RESULTS GIVEN INCORRECTLY - NEW RESULTS VERIFIED

8938

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UNO SURB PCB Sampling results as  
Accorded - Enclosed Bills for Service  
Underous Waste Manifests - SCANS

XAE005

SAMPLE #	DATE	DESCRIPTION	READINGS	
			IN: PPM	PPB
211	6-25-81	SKIMMER SYSTEM WATER TANK	0.15	
212	"	PUMPHOUSE EAST TANK	0.13	
213	7-15-81	COMPOSITE DEGRSR'S W/STILLS @ 2F51		
214	"	COMPOSITE OIL, WATER, RESIN FILM BUCKETS	164.79	
215	"	COMPOSITE DEGRSR'S W/STILL @ 2C59		
216	"	COMPOSITE TANK #5 W/BUCKET WASTE OIL		
217	8-02-81	FILLING SODER DRAIN - DRUM DATED 0702-FI	151.48	
218	"	TRICO STILLETRAS, DRUM DATED: 08-02-81	174.90	
219	"	PUMP HOUSE (EAST) ZINC: .07 ppm PCB: .47		
220	8-20-81	COMPOSITE - 30MS, 5PAIS, 1CAINEL @ 1EL. B	11,023	
221	5-22-81	COMPOSITE - 8 DRUMS @ 1DG13	1,357.	
222	8-23-81	STILLETRAS, TRICO DRUM DATED: 07-02-81	26.12	
223	"	SKIMMER SYSTEM WATER TANK	191.2	
224	"	PUMPHOUSE (EAST) ZINC: .16 ppm PCB: 264.96		
225	7-6-81	STILLETRAS, TRICO DRUM DATED: 07-02-81	27.38	
226	"	RECLAIMED PUMP OIL TANK #1	164.44	
227	"	PUMPHOUSE, EAST, ZINC: .57 ppm PCB: .133		
228	"	SKIMMER SYSTEM WATER TANK	.239	
229	9-14-81	PUMP # 24	169.21	
230	"	PUMP I	25.68	
231	"	RECLAIMED PUMP OIL TANK #1	196.82	
232	"	" " " TANK #2	281.80	
233	"	" " " TANK #3	218.31	
234	"	" " " TANK #4	179.07	
235	"	" " " TANK #5	140.81	
236	"	" " " DIRTY STORAGE TANK	180.58	
237	"	RECLAIMED PUMP OIL TANK #6 (TANK R101-R102)	121.96	
238	9-15-81	PUMP OIL TO BE RECLAMED COMPOSITE R91-R160	74.03	
239	"	PUMP OIL TO BE RECLAMED COMPOSITE R101-R110	104.02	
240	"	COMPOSITE SAMPLE AIR FILTERS @ 1A5 & 1C7B	2142	

8939

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UHQ SUBJ: PCB Sampling results -  
Decommissioning Bills Soc. Services  
Refrigerated Fisherman Marine, Inc.  
Various Waste Manifests - SC scanner

XAE005

SAMPLE #	DATE	IDENTIFICATION	P.P.M.
			11.21.82
241	9-21-82	DRUM COMPOSITE ROW #1	64.35
242	"	" " ROW #2	82.78
243	"	" " ROW #3	35.06
244	"	" " ROW #4	10.71
245	"	" " ROW #5	22.65
246	"	" " ROW #6	21.13
247	"	" " ROW #7	20.99
248	"	" " ROW #8	62.85
249	"	" " ROW #9 X	82.55
250	"	" " ROW #10	66.84
251	"	PUMP COMPOSITE #8, #12 (AFTER 4 CHANGES)	12.7 SENT
252	9-24-82	DRUM COMPOSITE Row #11	23.17
253	"	" " Row #12	41.83
254	"	" " Row #13, RII, RIII, AND R112	24.06
255	"	" " Row #14 (COLLECTED FROM PUMP)	64.92
256	"	" " Row #15	12.1
257	9-26-82	RECLAINED PUMP OIL TANK #1	40.91
258	9-30-82	" " DIRTY STORAGE TANK	33.45
259	"	" " TANK #3 (RESAMPLED #262)	164.18
260	"	RECLAINED PUMP OIL TANK #6	88.07
261	10-11-82	" " TANK #2	31.95
262	"	" " TANK #3	36.58
263	10-07-82	TRANSFORMER REMOVED FROM SERVICE (REMOVING)	<3.
264	10-13-82	STILL IN TCM, TRICO DRUM. DATED:	23.94
265	"	PUMPHOUSE (E.G. -) ZINC: 11.2-11.2	(PPB) 47.73
266	"	SKIMMER SYSTEM WATER TANK	(PPB) 913.14
267	"	DRUM COMPOSITE ROW 15	272.50
268	"	" " WATER/CIL SYSTEM RELEAVING S/S	158.53
269	10-26-82	RECLAINED PUMP OIL - TANK #6	* 10.125.72
270	"	SKIMMER SYSTEM - CIL TANK	12.5 1823.6

\* FIRST RESULTS GIVEN INCORRECTLY - MISIDENTIFIED AS 1221

8940

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DATE ORG AERONAUT 30 DOP 3 APRIL  
SACB Sampling results  
Access - Sample Bills for Service  
Recom'd. Fastback Machine Test  
Wardens Waste Manifest - SACB

XAE005

SAMPLE #	DATE	DESCRIPTION	PPM READINGS
271	11-1-82	DRUM COMPOSITE - TRICO STILL BOTTOM	46.69
272	11-14-82	ZINC CAPTURE SYSTEM 2 <sup>nd</sup> FLOOR SPRAY BOOTH	675.0
273	"	ZINC " " 3 <sup>rd</sup> FLOOR " "	4.6
274	11-05-82	VEIN PUMP CIL SPRAGE TANK	<2.
275	11-09-82	RECLAMED PUMP CIL TANK #1	10.222.01%
276	11-05-82	RECLAMED PUMP CIL TANK #1	27.
277	11-17-82	POINT #11 (TANKS 33-37) EXHAUST #3	46.369.
278	"	POINT #12 (TANKS 32-33)	46.23.8
279	11-19-82	SEPARATORS OF PUMPS: 8, 11, 14, 15, AND 18	177.03
280	11-20-82	COMPOSITE OF D.O.P. FROM ENGR. LAB	476.4 *
281	"	PUMP RECM - CARITE STRIPPER TANK	170.5
282	12-01-82	STILL BOTTOM COMPOSITE, TRICO ROW ID TS.B.2	28.52
283	"	D.O.P. FROM USED SPRAGE TANK NEAR I.D. 7	41.05
284	"	CASIER CIL FROM TANK NEAR I.C. 10	181.8
285	"	STILL BOTTOM COMPOSITE, TRICO ROW ID TS.B.3	<5
286	"	SPLIT SAMPLE #282 TO (ANALYTICAL)	66.02
287	12-02-82	RECLAMED PUMP CIL TANK #1	200.
RECALMED 12-05-82 SACB 12-07-82	"	FILLHOLE SLEWER DRAIN DRUM DATED 11-19-82	37.23
	"	PUMP CIL FROM AIR FILTERS DRUM DATED 12-12-82	54.65
290	12-04-82	STILL BOTTOM COMPOSITE, TRICO ROW ID. TS.B.4	407.3
291	"	STILL BOTTOM COMPOSITE, TRICO ROW ID. TS.B.5	790.0
292	12-05-82	92-30 FLUID FROM 27-336 TANK/CYCLE	678.0
293	"	92-39 FLUID FROM 27-82 TANK/CYCLE	<3
294	"	92-30 FLUID FROM 33-464 TANK/CYCLE	<3
295	"	D.O.P. CAPACITOR 38.05A 45.69	<3
296	"	D.O.P. CAPACITOR (175462-1)	<3
297	12-09-82	D.O.P. FROM TANK 44	0
298	"	D.O.P. FROM TANK 44	<1
299	"	D.O.P. FROM TANK 44	<3
300	12-10-82	D.O.P. FROM USED SPRAGE TANK #1	120.17

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Sur PCB sampling results  
Boron - Sampling will be done  
Revised: Fairhaven Marine, Inc.  
Waterous Water Treatment Systems

XAE005

SAMPLE #	DATE	DESCRIPTION	P.C.M. READINGS
301	11-13-82	D.G.P. FROM 44-276 TANK/CYCLE	< 2 ppm
312	11-14-82	ZINC CAPTURE SYSTEM IN STILLROOM (3 <sup>rd</sup> FLOOR)	1.46 "
313	12-17-82	STILL & THERMOCOMPOSITE, TRICO 4241D. TSB-6	60.65 "
314	"	COMPOSITE OF DOP FROM EACH LAB DRUMS 1-3	113.35 "
305	"	ZINC CAPTURE SYSTEM @ 1F 14 (2 <sup>nd</sup> FLOOR)	710. "
316	01-07-83	PUMP OIL USE (EAST) ZINC: 9.6 ppm	26.46 ppm
307	"	D.G.P. FROM 39-278 43-269 (TANK/CYCLES)	< 1 ppm
308	"	PUMP OIL, FROM RECLAMED TANK #4	56.21 "
309	"	SUMP G 1-I-1 (DEICNIZATION RM)	.33 "
310	"	SUMP @ 1M-5-B (C CROCK'S RETURN AREA)	.36 "
311	"	BLUE DRUM IN DEICNIZATION RM. CORRIDOR	19.354 "
312	01-16-83	PUMP OIL, RECLAMED TANK #5	.35 "
313	"	PUMP OIL, RECLAMED TANK #3	2.82 "
314	01-19-83	COMPOSITE DRUMS 1&2 H2O/P.O. LLC @ 106	960.59 "
315	01-21-83	PUMP OIL (FROM AVX CANADA) (H2O 5%)	134.55 "
316	02-11-83	ZINC CAPTURE SYSTEM @ 1F 14 (2 <sup>nd</sup> FLOOR)	19.6 "
317	"	ZINC CAPTURE SYSTEM IN STILLROOM (3 <sup>rd</sup> FLOOR)	5.35 "
318	02-15-83	PUMP OIL, RECLAMED TANK #1	56.70 "
319	02-16-83	DOP FROM 2F-616 34-47A (TANK-CYCLE)	< 2 "
320	02-16-83	STILLROOM COMPOSITE, TRICO, PIGW ID. TSB-7	27.54 "
321	02-24-83	ZINC CAPTURE SYSTEM (MEN'S ROOM FROM 2 <sup>nd</sup> FLOOR)	96.0 "
322	"	ZINC CAPTURE SYSTEM (STILLROOM FROM 3 <sup>rd</sup> FLOOR)	168.0 "
323	"	PUMPHOUSE (WEST) ZINC: 4.5 ppm	.17 ppm
324	02-26-83	PUMP OIL FROM K2400 EXHAUST PUMP	72.10 "
325	03-03-83	SKIMMER SYSTEM WATER TANK	<1.0 ppm
326	"	ZINC CAPTURE SYSTEM (STILL ROOM FROM 3 <sup>rd</sup> FLOOR)	11.2 ppm
327	03-07-83	ZINC CAPTURE SYSTEM (MEN'S ROOM FROM 2 <sup>nd</sup> FLOOR)	277. "
328	"	FLOOR : (WEST) ZINC: .48 ppm	9.56 ppm
329	03-10-83	PUMP OIL FROM K2400 EXHAUST PUMP	76.45 ppm
330	"	PUMP OIL, RECLAMED TANK #4	74.75 "

8942

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DRI SUB PCB Sampling results at Because - Enviroline Bills for Services performed. Enviroline Marine Inc. Waterborne Waste Manifest - SCA Survey

XAE005

SAMPLE #	DATE	DESCRIPTION OF SAMPLE	READINGS
331	3-10-83	SUMP NEAR WALL LOC @ 1-A-7	4939 ppm
332	"	ZINC CAPTURE SYSTEM (STILLROOM FROM 3 <sup>rd</sup> FLOOR)	50 "
333	3-15-83	STILLROOM COMPOSITE, TRICO, R/W TSBS	18.6 "
334	"	SKINNER SYSTEM CIL TANK	1423 "
335	3-17-83	ZINC CAPTURE SYSTEM (STILLROOM FROM 3 <sup>rd</sup> FLOOR)	2.78 "
336	3-21-83	OIL FROM SEPARATORS OF FUMPS #7,12,14,18,35	69.80 "
337	3-22-83	TRICO WASTE BOTTOM OF IMR DEGREASER	98.55 "
338	"	COM RECLAM BP OIL	79.53 "
339	3-23-83	M OIL PUMP	157.38 "
340	"	COMPOSITE OF MIXED OILS & DOP FROM ENGR LAB	35.65 "
341	"	ACMC TRANSFORMER SER # 34963 (RECYCLING)	
342	"	ZINC CAPTURE SYSTEM (STILLROOM FROM 3 <sup>rd</sup> FLOOR)	1.91 "
343	3-26-83	ZINC CAPTURE SYSTEM (MEN'S ROOM FRIM 2 <sup>nd</sup> FLOOR)	26.0 "
344	"	PUMPHOUSE (EAST) ZINC: 1.11. PCB:	.048 "
345	3-31-83	ZINC CAPTURE SYSTEM (3 <sup>rd</sup> FLOOR)	80 "
346	"	ZINC CAPTURE SYSTEM (2 <sup>nd</sup> FLOOR)	55 "
347	4-1-83	ZINC CAPTURE SYSTEM	12 "
348	4-8-83	ZINC CAPTURE SYSTEM	55 "
349	"	FUMPHOUSE (EAST) ZINC: 1.0 ppm PCB: ppb	27.96 "
350	4-11-83	PUMP OIL, RECLAMATED TANK #2	55.62 "
351	"	PUMP OIL, DIRTY STORAGE TANK PRE-SCREEN FILTERS (GAL) 51.23 (LBS) 22.42 "	
352	"	SKINNER SYSTEM WATER TANK DRUM DATED 3-30-83	ppb 127.67 "
353	"	FILLHOLE SOLDIER IRON	64.57 ppm
354	4-12-83	OIL FROM SEPARATOR ECODY OF PUMP #27	166404 "
355	"	OIL / WATER EXHAUST SYS. LEAK SOUTH OF PUMP #27	329.62 "
356	"	STILL BOTTOM COMPOSITE, TRICO, R/W LD TSBS	47.34 "
357	4-18-83	CAPTURE SYSTEM	2 <sup>nd</sup> FLOOR 215. "
358	4-21-83	TRICO CAPTURE SYSTEM	3 <sup>rd</sup> FLOOR 116. "
359	4-22-83	CAPTURE SYSTEM	2 <sup>nd</sup> FLOOR 159. "
360	4-25-83	COMPOSITE OF COMPRESSOR CIL DRUMS @	199.76 "

8943

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DRI# ORG Acme 3.0 DOP B. Appell  
SUB PCT Sampling results at  
Account - Sampling Bills for Service  
Reopened: Fairhaven Marine Inc.  
Various waste Manifests-SCA (cont.)

XAE005

SKIN#, #	DATE	SOURCE DESCRIPTION	LEVEL	PPM
361	5-5-83	ZINC CAPTURE SYSTEM	3 <sup>d</sup> FLR	37.0 ppm
362	5-4-83	COMPOSITE CF COMPRESSOR KEN CILS		33.44 "
363	5-16-83	ZINC CAPTURE SYSTEM	3 <sup>d</sup> FLR	10.9 "
364	"	FURNACE OIL (LEAD TEST) = 7.04 ppm	PCP	74.65
365	"	ZINC CAPTURE SYSTEM	2 <sup>d</sup> FLR	2.60 ppm
366	5-24-83	INGEVAL-RAHD TRAFFIC(818116)		<20 "
367	"	ZINC CAPTURE SYSTEM	3 <sup>d</sup> FLR	.41 "
368	"	RECLAIMED FURN OIL THICK #1		76.30 "
369	"	SKIMMING SYSTEM WATER TANK		.280 "
370	"	ZINC CAPTURED @ SPRAY EJECT	3 <sup>d</sup> FLR	.33 "
371	"	ZINC CAPTURE SYSTEM (DURING CIERILLI)	3 <sup>d</sup> FLR	4.2 "
372	6-1-83	ELEVATOR PIT @ Z.F. 15 (W.C. SCHILLK)		.109 "
373	"	COMPOSITE OF EXHIBIT OIL FROM TANK		2749.35 "
374	6-3-83	COMPOSITE OF EXHAUST SYSTEM DUST TRAYS (TANK)		50%
375	"	ZINC CAPTURE SYSTEM	2 <sup>d</sup> FLR	10.5 ppm
376	6-2-83	ZINC CAPTURE SYSTEM	3 <sup>d</sup> FLR	.33 "
377	6-3-83	ZINC CAPTURE SYSTEM (CIERILLI)	3 <sup>d</sup> FLR	.71 "
378	6-7-83	PUMP OIL BUCKETS COMPOSITE A" (BEFORE FILTERING)		109.32 "
379	6-8-83	PUMP OIL BUCKETS COMPOSITE B" (AFTER FILTERING)		117.41 "
380	6-13-83	FILLHOLE SOLDER DRAIN		77.92 "
381	"	COMPOSITE OF COMPRESSOR RCM CILS		45.66 "
382	"	ZINC CAPTURE SYSTEM	3 <sup>d</sup> FLR	.56 ppm
383	"	ZINC CAPTURE SYSTEM (W/O DRAINING)	2 <sup>d</sup> FLR	4.48 "
384	"	PUMPHOUSE (EAST TANK) = .46 ppm	PCP	14.64 ppm
AVX CDA-3	"	NEW BP FLUSHED THROUGH KENNEY PUMP		17.55 ppm
AVX CDA-4	"	USED/ RECLAMED B.P (PUMP OIL)		108.97 "
385	6-28-83	YARD DRAIN - NARROW WEST OF SLIP		4.98 ppm
386	"	YARD DRAIN - SOUTH EAST CORNER OF SLIP		13.03 ppm
387	"	PARKING LT. DRAIN - OUTFALL		73.71 ppm
388	7-16-83	FURN OIL, RECLAMED TANK #3		39.32 ppm
389	8-22-83	SOUTH TRUH & EAST CULVERT		<.2 ppm
390	8-27-83	RECLAMED PORT OIL - TANK #4		36.57 ppm

8944

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DRI SUB REB Sampling results after Accrual - Enviro-Site, Inc., San Francisco, Eastman Marine, Inc., Waterous Water Manufac-SEA sampler

XAE005

DATE	SAMPLE DESCRIPTION	PPM
8-31-83	PIT IN NORTH TROUGH	21.8 ppm
9-8-83	CORRUGATED KETTLE DRAIN IN DRAINAGE	101.98 ppm
"	" SEPARATOR DRAIN SITES	70.4 ppm
"	" SHAD. DRAIN - 15' DEPTHS	50.1 "
9-9-83	SLUDGE TANK COMPOSITE, TROUGH, PUMPED TS-10	57.4 "
9-16-83	WATER RECYCLING SYSTEM @ 1-A-10	< .2 ppb
10-16-83	PUMPHOUSE (EAST TANK) ZINC: 0.83 ppm PCB: 18.12 "	0.83 ppm
"	ZINC CAPTURE SYSTEM (2nd FLR)	5.71 "
10-26-83	SLUDGE FARM PUMPHOUSE TANK & CLEANING	56.2 "
"	RECLAIMED PUMP GIL - TANK #3	1.56 "
11-14-83	ZINC CAPTURE SYSTEM (3rd FLR)	1.56 "
11-15-83	NORTH TROUGH @ EAST CULVERT	65.1 ppm
11-27-83	NORTH TROUGH @ CULVERT OUTLET TO DECK VCI. (100% Full) (50% Full)	57.6 ppm
11-29-83	NORTH TROUGH @ CULVERT OUTFALL TO RIVER	76.3 ppm
"	ROOF DRAIN	40.5 ppm
"	YARD DRAIN	66.9 ppm
"	PUMPHOUSE (EAST TANK) ZINC: .58 ppm PCB: 101.2 ppm	101.2 ppm
12-16-83	NORTH TROUGH @ EAST CULVERT (MODERATE FULL) SKimmer System	95.5.8 "
12-28-83	Sump @ 1-F-13 (80% Full: River)	854 ppb
12-29-83	North yard drain	3141 ppb
1-15-84	South " "	0.61 ppm
1-15-84	" "	1.6 "
1-11-84	2nd floor exterior on roof: South	2.3 "
1-25-84	CELLAR BELOW MEN'S ROOM @ 1F45	51.89 ppb
2-1-84	RAISED MANHOLE REEF DRAIN	6.74 "
"	NEW MANHOLE REEF DRAIN	37.12 "
"	RECLAIMED PUMP GIL TANK #2	14.5 ppm
2-7-84	PUMPHOUSE (EAST TANK) ZINC: 11.5 ppm PCB: 107.73 ppb	107.73 ppb
"	RIVER @ ROOF DRAIN	48.7 ppm
"	RIVER @ YARD DRAIN	7.6 ppb

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DRI ORG Acronym & O DOP B APPENDIX  
SUB PCB Sampling results at  
Decomax - Envirocare, Inc. See Service  
Reporer: Fairbanks Marine, Inc.  
Hazardous Waste Manifest - Sample

XAE005

SAMPLE #	DATE	SAMPLE DESCRIPTION	READINGS
421	02-14-84	NEW MANHOLE ROLL DRAIN - SOLID	5384 ppm
422	02-16-84	NORTH TROUGH CUTFALL	111.77 ppb
423	"	SOUTH TROUGH CUTFALL	10.04 "
424	"	NEW MANHOLE ROLL DRAIN (PPB)	128.18 ppb
425	"	CONVERGENCE - YARD DRAIN - SOUTH INPUT	16.13 "
426	"	CONVERGENCE - YARD DRAIN - NORTH INPUT	13.54 "
427	4-2-84	SKIMMER SYSTEM OIL TRUNK	561.5 ppm
428	4-12-84	HIGH VOLTAGE DECAPACITATING EQUIPMENT	6341.8 ppm
429	4-14-84	Caster Oil from capacitor st. Murphy	16.6 "
430	4-24-84	Capacitor Fluid Decanting Line (4 drums)	9847 "
431	4-27-84	Caster Oil from imp. cycle 31-316	<3 ppm
432	6-1-84	NY trough	45.6 ppb
433	"	SO. "	4.7 "
434	"	Pump house composite	1.93 "
435	6-6-84	Trico st. 11 bottom	110 ppm
436	6-13-84	" " " composite	98 "
437	6-15-84	Skimmer System Water tank	<3 ppb
438	"	" " Oil tank	1060 ppm
439	"	Reclaimed Pump oil-Tank #2	<4 ppm
440	"	Water Recycling System	83 ppb
441	"	Zinc Capture System - 2 <sup>nd</sup> floor	(Zinc) 70 "
442	"	Zinc Capture System - 3 <sup>rd</sup> floor	(Zinc) <2 "
443	"	Pumphouse - East Tank (Zinc) 90 ppm	(Zinc) <3 "
444	"	Sump @ 1-I-6 (Shipping)	11.38 "
445	6-18-84	92-30 from Impregnation tanks	<4 ppm
446	"	92-39 from	<4 "
447	"	(Caster Oil) from	<4 "
448	"	Mineral Oil from	<4 "
449	"	Sump @ 1-I-1 (Deionization tank)	5.9 ppb
450	"	Elevator shaft @ 1-F-43 (Mech. shop)	10.3 ppm

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DRI ONC Acrex 30 DOP 24 April  
SUBJ PCB Sampling results  
Recover - Recovery Cells for Service  
Reference: Fairhaven Marine Inc.  
Various waste Manifests - SCANNER

XAE005

Sample #	Date	Sample Description	Readings
451	7-16-84	North Trough (cuffall)	52.2 ppm
452	"	South Trough (cuffall)	2.22 "
453	"	Old Pumphouse (cuffall)	21.52 "
454	7-27-84	North Trough "	13.116 "
455	"	South Trough "	8.48 "
456	"	Old Pumphouse "	3.45 "
457	8-2	Molteny capacitor fluid	116 ppm
458	8-2	"	< 10 ppm
459	8-6	Trico s.f. / bottom	600 ppm
460	8-7-84	Composite of exhaust oils from roof	8319 "
461	"	Fillhole Solder Drain	568 "
462	"	Recan Line Drain	103 "
463	8-10-84	Trico S.t. / Bottom (6 drum comp.)	635 "
464	"	De-cauterized cils	480 "
465	"	Mixed Cils - Pump Room	192 "
466	8-14-84	Fillhole Solder Drain (8 drum composite)	1.1 "
467	9-14-84	Engr Lab cils 4 drum composite	46.71 "
468	"	Reclaimed Pump Oil Tank #2	77 "
469	"	Hi Voltage Testing DOP	77 "
470	9-20-84	Trico S.t. / Bottom	115 "
471	9-24-84	Fillhole Solder Drain (5 Drum Composite)	230 "
472	9-24-84	Mixed Pump Cils (16 Drum Composite)	< 20 "
473	"	Recan Line Drain (7 Drum Composite)	- .50 "
474	10-31-84	F.H.S.D. 3 drum comp.	170 "
475	11-2-84	Water Reel No. Trough	40 ppm
476	11-8-84	Oil Filter System 1/2	79.6 ppm
477	" "	Re-can line Dept. 32 2.0% Comp	220 "
478	11-15-84	Reclaimed pump C.I. Tank #2	30.7 "
479	" "	F.H.S. 2 tests composite + <del>bottom</del> North	1.53 "
480	" "	Ht. fan rim sump	1.7 "
481	11-19-84	Pump House West - PCB	132.143 "
482	" "	" " West - Zinc	3.71 "
483	11-26-84	PCB "	7.11 ppm
484	" "	G.H? SW... "	4.67 ppm

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UNO UNCLASSIFIED OR CONFIDENTIAL  
SUBJ PCB Sampling results  
Boron - Envirogen, BNL for Senvco  
Reproduced: Envirogen Marine Inc.  
Various Waste Manifests-SCA Codes

XAE005

Supply			
# 486	11-30-84	TRICO STILL BOTTOMS 66 drums comp.	35 ppm
# 437	11-30-84	TRICO STILL BOTTOMS (7 drums comp.)	32 ppm
# 493	11-29-84	HANLEY ST. MAN AND HIGH TIDE WASH DOWN	15 ppm
# 454	11-30-84	WATER SYSTEMS - J. BUBBLES AREA	< 1 ppm
A 490	11-30-84	HOT T. & COOL SEALS	6.6 ppm
# 491	12-6-84	SHOWER SYSTEMS	not sent
# 492	12-6-84	SHOWER SYSTEMS (WATER)	1291 ppm
# 493	12-6-84	SHOWER SYSTEMS	not sent
# 494	12-6-84	SHOWER SYSTEMS (WATER)	1204 ppm
# 495	12-17-84	WATER SYSTEMS - J. BUBBLES AREA	21373
# 496	12-17-84	WATER SYSTEMS - J. BUBBLES AREA	< 3.6 ppm
# 497	1-8-85	TRICO STILL BOTTOMS (7 drums comp.)	15 ppm
# 498	1-8-85	TRICO STILL BOTTOMS (7 drums comp.)	7.7 ppm
# 499	1-8-85	WATER RECYCLING - J. BUBBLES AREA	5.7 ppm
# 500	1-8-85	WATER RECYCLING - J. BUBBLES AREA	5.7 ppm
# 501	1-17-85	H.I.S.O. 1 DRUM BAND	108 ppm
# 502	1-17-85	TRICO holding tank in H.I.S.O. AREA	315 ppm
# 503	1-17-85	TRICO holding tank in STILL ROOM	81.5 ppm
# 504	1-17-85	K-2800 EXHAUST PUMP (WTC pump)	70E ppm
# 505	1-20-85	Pump Room Mixed oil (5 drums comp.)	112 ppm
# 506	1-20-85	FILLHOLE SOLDER DRAIN (2 drums comp.)	89 ppm
# 507	2-01-85	TANK ROOM DEGREASER	21373
# 508	2-01-85	DEGREASER IN SUB ASSEMBLY	21373
# 509	2-01-85	DEGREASER IN NEW LAB (JAWS)	21373
# 510	2-13-85	STILL BOTTOMS (7 drums comp.)	21373
# 511	2-13-85	MIXED OIL	21373
# 512	2-13-85	STILL BOTTOMS OLD DATE (6 drums comp.)	388 ppm
# 513	2-13-85	STILL BOTTOMS OLD DATE (7 drums comp.)	353 ppm
# 514	2-13-85	TRICO - NEW DATE (6 drums comp.)	615 ppm
# 515	2-13-85	Part. 21373 - SUPPLY ROOM (6 drums comp.)	1,772 ppm
# 516	2-15-85	Part. 21373 - IN F.A. AREA (6 drums comp.)	743
# 517	2-15-85	Part. 21373 - IN F.A. AREA (6 drums comp.)	76
# 518	2-15-85	HPPD OIL	45
# 519	2-15-85	HIGH VOLTAGE EQUIPMENT	40
# 520	2-15-85	TANK ROOM (0-5)	41

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DRI. OMC Averages 3.0 DPPB  
SUB. P.E. Sampling results by  
Accordant Services, Inc., for Service  
Performed: Fairhaven Marine, Inc.  
Waverly Wharf, Manfuct.-SCA Comco.

XAE005

SAMPL.	DATE	L.C.H.	R.L.
#521	3-27-85	14.4 ppm	320 ppm
#522	3-27-85	DI-27-314 ppm	442 ppm
#523	3-27-85	OIL 314 ppm (SHELL)	3194 ppm
#524	3-14-85	WICK FLOOR (LOCATION 3052, 3532)	789 ppm
#525	3-19-85	RE - (oil) line (idrum) (yellow)	59
#526	3-21-85	MIXED OIL (idrum)	528
#527	3-21-85	MIXED OIL (idrum)	96
#528	3-21-85	" " "	31
#529	"	" " "(Purple)"	147
#530	"	ONE SHOT OIL (yellow) (idrum)	116
#531	3-28-85	NEW COMPRESSOR OIL (motor oil)	L 1 ppm
#532	3-28-85	MINERAL OIL FROM TANK ROOM	14.9 ppm
#533	3-28-85	92-39 (oil) FROM IMPREGNATION TANK	L 1 ppm
#534	3-28-85	92-30 (oil) FROM IMPREGNATION TANK	L 100 ppm
#535	3-29-85	CUSTOM OIL FROM IMPREGNATION TANK	< 1 ppm
#536	3-29-85	STILL (sample is taken from still only)	8.6 ppm
#537	4-1-85	1 drum of WATER (still - 80cm) WORKERS	349 ppb
#538	4-1-85	1.92 cm of WATER (shallow - 8.5cm) WORKERS	404 ppb
#539	4-2-85	Water from St. 11 (for trico)	3870 ppm
#540	4-3-85	PUMP OIL FROM B PUMP (idrum)	< 10 ppm
#541	4-8-85	MINERAL OIL (CLEAN STORAGE)	12.7 ppm
#542	4-11-85	STILL BOTTOM (TAKEN FROM STILL)	346 ppm
#543	4-12-85	F.H.S.O. (UNFILTERED) 1 DRUM	31.2 ppm
#544	4-12-85	RE (AN 1145) ONE DRUM	120 ppm
#545	"	COMPOSITE OF 30 (1...PCB)	L 2 ppm
#546	5-7-85	Q.O.P. (TWO DRUMS COMPOSITE)	< 2 ppm
#547	5-7-85	DRUM (20 LITERS) OIL	LIT. SCRT.
#548	5-10-85	STILL BOTTOM FROM STILL & AFTER FILTERING	344 ppm
#549	5-10-85	STILL BOTTOM FROM STILL AFTER FILTERING	283 ppm
#550	5-31-85	SUPERGAGE PUMP HOUSE (EAST) 210C	-33 "
#551	5-31-85	SUPERGAGE PUMP HOUSE (DUST) PCB	L 297 ppm
#552	5-31-85	Cdu. Ret. cert. tank	40.4 ppm
#553	5-31-85	Cdu. Top cert. tank	296 ppm
#554	5-31-85	Cdu. Near barrel	41.3 ppm
#555	5-31-85	Cdu. CTD barrel	52.1 ppm

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DIN 9420 DOP Sample  
SIRI PCB Sampling results  
December - January, 1985 for Series  
Reactor-Equipment, Sills for Series  
Nucleus White Manifest-SC-1000

XAE005

Sample	Date	Description	PPM
H556	5-11-85	Cd, TIP THIS TANK	43.6 PPM
H557	6-1-85	ZINC CAPTURE SYS. (H2O) 3 min	43 " "
H558	6-4-85	ZINC CAPTURE SYS. (H2O) 2nd	5.32 "
H559	6-11-85	SKIMMING SYS. (H2O)	58.1 PPB
H560	"	Hg Tinning Room Sump	55.5 PPB
H561	"	PCB Composite of 5 drums	PCB
H562	"	DEUT. 24 REPORETE 2000	PCB
H563	6-6-85	NORTH TROUGH (OUTFALL)	16.1 PPB
H564	6-6-85	SOUTH TROUGH (OUTFALL)	1.2 PPB
H565	6-6-85	OLD Pump House (OUTFALL)	1.3 PPB
H566	6-21-85	#11 (dn #1)	235.0 PPM
H567	"	" " #2	156.0 PPM
H568	"	" " #3	0.13 PPM
H569	"	" " #4	28.8 PPM
H570	"	" " #5	29.2 PPM
H571	6-24-85	TRICO DIRTY STREAM-TANK (NORTHTANK) Room	92.4 PPM
H572	"	TRICO DIRTY STREAM-TANK (SOUTHTANK) Room	106.0 PPM
H573	"	TRICO DIRTY STREAM-TANK (THIS AREA)	113.0 PPM
H574	7-23-85	Drippings from NORTHWEST EXHAUST.	367 PPM
H575	7-24-85	STILL BOTTOMS FROM STILL	243 PPM
H576	7-24-85	SEWERAGE PUMP HOUSE (WEST TANK).	2.23 PPM
H577	7-24-85	Drippings from NEEHEST EXHAUST (Composite 0.2)	1120 PPM
H578	7-31-85	WATER FOUNTAIN NEAR MAIL ROOM	1.2 PPB
H579	" "	HOUSE TAP WATER	1.2 PPB
H580	8-5-85	SAMPLE From SANGAMO #3 min tank	1.2 PPM
H581	8-12-85	STILL Bottom 8/8/85 (Aerobic Can.)	113 PPM
H582	8-24-85	EXHAUST FANS FROM ROOF. (Drippings)	2580 PPB
H583	8-29-85	Dielectric Fluid Composite of 30 drums	72.4 PPM
H584	9-10-85	SUMP OF MENS ROOM SOUTHEAST OF PLANT 1st Flr.	72.4 PPM
H585	9-18-85	Dielectric Fluid Composite of 7 drums	72.4 PPM
H586	9-18-85	" " 67.39 drums	72.4 PPM
H587	9-18-85	SOUTH TROUGH For ZINC Analysis	72.4 PPM
H588	9-24-85	Hg Tinning Room Sump.	72.4 PPM
H589	10-1-85	Dielectric Fluid Composite of 7 drums	72.4 PPM
H590	10-1-85	" " " " 29 "	72.4 PPM

8959

Serial No.	Date	Description	PCB
" 591	11-18-85	EXHAUST 1/2" x 11' 11" 1/2"	1913
#592	10-18-85	WATER Recyl. Sys. Taken from Back of Plant.	1913
11593	10-16-85	EXHAUST System From lower Pump Room	1913
#594	10-30-85	TRUO. St. 11 & Then	..
" 595	10-31-85	" Water Recyl. System (From St. 11-3.11m.d)	..
#596	11-15-85	(6' 6" desk)	21.6
" 597	11-13-85	NORTH TRUOIT (out P.M.)	4.65
F 598	11-20-85	SEWERAGE Pump House (west track) PCO 11-11-85	..
" 599	11-20-85	PUMP OIL FROM TANK #3	..
#600	11-30-85	Fill hole SCIDER DRAIN	..
#601	11-30-85	RE-CW LINE (11554)	..
#602	11-25-85	MARINEAL OIL FROM IMP. TANK	..
#603	11-25-85	CASIOR OIL	..
#604	11-25-85	99-30 OIL	..
F 605	11-25-85	99-39 OIL	..
#606	12-9-85	Dielectric Fluid Composite of 12 drums	..
#607	12-9-85	Dielectric Fluid Composite of 7 drums	..
#608	12-9-85	" " 22 drums	..
#609	1-10-86	STILL BOTTOM 12-31-85 (can drum 100% full)	13
#610	2-10-86	Dielectric Fluid Composite of 16 drums	11
#611	2-10-86	" " " 3 DRUMS	13
#612	2-12-86	Skinimer System (H <sub>2</sub> O)	4
#613	2-19-86	<u>vacuum</u> PUMPS #3, #4 ACU-CAP.	2
#614	2-24-86	FULLER CEMENT (TANK ROOM)	..
#615	3-3-86	H.H. returned from C.W.M. (1231502)	..
#616	3-7-86	WATER Recyl. Line (OUT)	PCB H <sub>2</sub> O
HOM	3-7-86	" " (Jalot pipe)	PCB H <sub>2</sub> O
#618	3-7-86	" " BEFORE FILTER	PCB "
#619	3-7-86	" " AFTER FILTER	PCB "
#620	3-11-86	FULLERS CEMENT (TANK ROOM)	PCB
#621	3-13-86	NEW DRUM DATED. 2-2-86 #2	PCB
#622	3-13-86	OLD DRUM DATED. 1-28-86 #1	PCB